TURNER MICROPHONES 1972

Turner

To help you find the one best microphone for your specific use, this catalog is divided into sections, as listed below. These sections are based on your use rather than our design. Within each section, the microphones are individually different and these differences are fully explained.

The entire Turner organization exists for just one purpose the design, manufacture and sale of microphones and related products. We feel the Turner microphones listed in this catalog are the best possible designs for the applications involved. The Turner plant and laboratory is equipped with the modern test and measurement facilities, including three anechoic chambers. Our engineering and production facilities have been continually refined and expanded for forty years, to provide our customers with quality microphones at fair prices.

In addition to supplying the Turner brand line of microphones, for many years Turner has been a contract supplier of microphones and acoustical devices to many well known industrial and manufacturing firms. In many of these cases, the microphone was designed and built to a customer's specific and exacting requirements. Inquiries are invited from manufacturers needing a microphone or acoustic pick-up to complete a product package.

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Professional Recording, Broadcast, Public Address

Top of the Turner line, series TC multi-port cardioid dynamics

MODEL TC10

The TC series of multi-port cardioid dynamics are the finest microphones ever designed and manufactured by Turner. Each model in the series meets or exceeds the specifications for every major competitive model. All TC series microphones cover a wide 50-15,000 Hz frequency range, with an extremely flat response, all offer excellent front-to-back discrimination on a 180° axis, all feature a unique acoustic cartridge mount which virtually eliminates shock and handling noises, all have an extremely high −55 db (0 = 1 mw/10 microbars) output level. The multi-port system, which utilizes a dual set of rear-entry ports, provides a greatly improved low frequency response while drastically reducing proximity effect—an increase in bass response with a decrease in working distance. This makes the TC series microphones particularly favorable for use in close-talk broadcast and entertainment applications. Due to its extremely flat response and uniform front-to-back ratio, the TC10 is also an excellent choice for use in highly sophisticated tuned or equalized sound systems.

In carefully controlled tests, the Turner TC10 was compared with major competitors in its class for pick-up and amplification of shock and handling noises. Actual recordings from these tests are available for inspection. The TC10 vastly outperformed the largest selling competitor, slightly exceeded another. Similarly, in controlled tests, the three models were tested for reaction to "p," "t," pop and breath noises and the TC10 definitely outdistanced both competitors. The effective frequency response range of the TC10 exceeds all competition in its class at a higher output level, which allows effective pickup at greater working distances, giving the user more freedom of movement. There is no better microphone of its type than the Turner TC series.

Specifications, TC Series

Type: Multi-port cardioid dynamic

Impedance: High or low, as indicated by model number

Output level: −55 db (0 = 1 mw/10 microbars)

Frequency response: 50-15,000 Hz

Discrimination: Typically 26 db at 180° over the frequency range

Connector: Three-pin Switchcraft A3F

Cable: Detachable, 20-foot, two-conductor, shielded, neoprene jacket

Case: Turned aluminum head and handle, steel wire grille

Dimensions: 1½″ dia. head, ¾″ handle x 6″ long

Weight: 7 ounces, less cable

Model TC10
Deluxe

The TC10 is the deluxe model of the series. Low impedance (150 ohm) only. No switch. Anodized aluminum finish in desert gold. All components of the Model TC10 are individually selected, maintaining the highest quality standards. Each model TC10 is serial numbered and registered. Each Model TC10 has its specific response curve packed with the microphone in the individual metal carrying case supplied.

List price $225.00

Typical TC10 Response Curve

MODEL TC11

MODEL TC11S

MODEL TC12S

Model TC11
General Purpose

Similar to Model TC10, low impedance, no switch. Sea-gray anodized finish. Same basic design as the Model TC10, with only a slight sacrifice in quality at greatly reduced cost, for less exacting requirements. Frequency response of 50-14,000 Hz, discrimination typically 20-25 db.

List price $125.00

Impedance: Low (150 ohms, matches 50 to 250 ohm nputs)
Output level: −55 db (0 = 1 mw/10 microbars)
Frequency response: 50-14,000 Hz
Discrimination: Typically 20-25 db at 180° over the frequency range
Other specifications same as TC Series overall specifications.

Model TC11S

Same as Model TC11, but with line shorting on-off switch.

List price $130.00

Model TC12S
High Impedance

Same as Model TC11S, but with high impedance and a −56 db output (0=1 volt/microbar). Single-conductor, shielded, black PVC cable.

List price $130.00

Impedance: High (40,000 ohms)
Output level: −56 db (0 = 1 volt/microbar)
Frequency response: 50-14,000 Hz
Discrimination: Typically 20-25 db at 180° over the frequency range
Cable: Detachable, 20-foot, single-conductor, shielded, black PVC jacket
Other specifications same as TC series overall specifications.

Professional Recording, Broadcast, Public Address

Turner 500 Series, Dynamic Cardiod Microphones

MODEL 500 ON G-12 STAND

MODEL S-500-06
MATCHED STEREO PAIR

Turner's 500 series microphones are specified for many difficult applications where background noise creates a problem and where extreme fidelity of reproduction is required. They have a wide range, smooth response. Uniformity of performance, microphone to microphone, is assured by a series of intensive checks and tests during manufacture, including comprehensive response measurement after final assembly. Each microphone is individually adjusted during tests! The result is a cardioid pick-up pattern such that sensitivity to sounds arriving from the rear is minimal; front to back discrimination is unmatched in the industry. For critical applications where feedback is a problem, the 500 series, due to its extremely uniform response and excellent front to back discrimination, will provide more usable gain before feedback.

Internal screening and baffling substantially reduces unwanted noises and pops from wind or explosive breath sound during close-talking use. Rubber shock mounting is used to reduce mechanically transmitted shocks, jars and handling noises.

Styling is attractive, construction is rugged, and the satin chrome finish is durable and easily kept clean. For church installations, the 500G and S-500G in gold finish are available.

Specifications, 500 Series

Type: Cardioid dynamic

Impedance: 150 ohms (matches 50 to 250 ohm inputs) or high impedance (40,000 ohms) selected at the terminal end of the cable

Output level: High impedance
—55 db (0 = 1 volt/microbar)
150 ohms
—57 db (0 = 1 mw./10 microbars)

Frequency response: 40-15,000 Hz

Discrimination: Typically 20 db to 25 db over the frequency range

Connector: 4-pin

Cable: Detachable, 20-foot, three-conductor, shielded, black PVC jacket

Case: Die-cast zinc alloy, satin chrome finish

Dimensions: 6-13/16″ length, 1-17/32″ diameter

Weight: 12 ounces, without cable. Shipping weight, 3 pounds

All models except the FM500 are supplied with rugged Cycolac swivel stand adaptor—5/8″-27 thread.

Model 500

As listed in the specifications, without on-off switch.

List price $100.00. 500G (gold finish), $116.00

Model S-500

With Rotary On-Off Switch

Similar to the Model 500, but with a positive-action rotary switch and clearly identified positions.

List price $105.00. S-500G (gold finish), $120.00

Model S-500-06

Matched Stereo Pair

Here the uniformity of the 500 microphones is further improved by careful selection to offer a pair of S500's so closely matched in sensitivity and frequency response they will enhance any stereo system. With standard 1/4″ phone plugs.

List price $210.00

Typical Microphone Response Curve

FREQUENCY IN CYCLES PER SECOND

MODEL FM500

MODEL 510 ON C-7 STAND

MODEL 600

Model FM500

Fixed Mount

The new FM500 series includes a switch and a non-switch model. A Model 500 microphone is permanently mounted on a coupler assembly and is excellent for use in churches, schools and auditoriums for fixed mounted applications, or where microphone theft could be a problem. Low (150 ohm) impedance only, —57 db output level, with Amphenol PC3F 3-pin connector. All other specifications same as Model 500. Specify Model A50200 with switch and A50201 without switch.

List price $98.00

Model 510

Built to exacting standards in the Turner engineering lab, the 510 is recommended by audio consulting experts for use with notch-filter sound systems because of the flatness of response, the uniformity of front to back ratio across entire frequency range and the uniformity achieved in production from one unit to another of these fine microphones. The Model 510's exceptionally flat response over the 40-15,000 Hz range is illustrated in the accompanying chart. Low impedance only—50 or 200 ohms may be chosen at the terminal end of the cable. Finished in non-reflective broadcast gray, shipped with desk stand, Cycolac stand adaptor, and broadcast wind screen. Shipping weight is 4 pounds.

List price $150.00

Turner 600 Series

Dynamic Cardioid Microphones

The low cost of these microphones, which entails no sacrifice of performance, makes them an outstanding value. Response is smooth and wide-range. Internal baffling minimizes unwanted wind and breath noises. The active element is mounted in special rubber shock mounts which effectively reduce noise arising from handling, rubbing and jarring. The directional pick-up characteristic is unexcelled—comparison is invited with microphones at any price—and is truly helpful when dealing with the problems of audience or equipment noise and acoustic feedback.

Attractively styled in satin chrome finish and black Cycolac. Has line-shorting on-off switch, removable 20-foot cables with Amphenol two-pin connectors. All models are supplied with rugged Cycolac swivel stand adaptors, ⅝″-27 thread.

Specifications, 600 Series

Type: Cardioid dynamic

Impedance: High (40,000 ohms—Model 600) or low (150 ohms—Model 602)

Output level: High impedance
—55 db (0 = 1 volt/microbar)
150 ohms
—57 db (0 = 1 mw./10 microbars)

Frequency response: 50-15,000 Hz

Discrimination: Typically 20 to 25 db over the frequency range

Connector: Amphenol MC2M

Cable: 20-foot, single-conductor, shielded (high impedance); two-conductor, shielded (low impedance)

Dimensions: 6″ length, 1⅝″ diameter

Case: Die-cast zinc alloy, satin finish, Cycolac plastic front

Weight: 14 ounces, shipping weight, 3 pounds

List price Model 600 (high impedance) $70.00

List price Model 602 (low impedance) $70.00

Professional Recording, Broadcast, Public Address

MODEL 700

MODEL 2203

Turner 700 Series

Dynamic Cardioid Microphones

Ideal for the performing arts, these ball screen uni-directional microphones find wide use with small instrumental and singing groups. Features of this design are the spherical ball screen, internal wind and breath pop baffling, rubber shock mounting, all coupled with wide range response and truly effective back wave discrimination. Use them for close-in voice for faithful but pop-free reproduction. All models supplied with rugged Cycolac swivel stand adaptor, ⅝″-27 thread.

Specifications, Model 700

Type: Cardioid dynamic
Impedance: 150 ohms (matches 50 to 250 ohm inputs) or high impedance (40,000 ohms), chosen at terminal end of cable
Output level: High impedance
—55 db (0 = 1 volt/microbar)
150 ohms
—57 db (0 = 1 mw./10 microbars)
Frequency response: 40-15,000 Hz
Discrimination: Typically 20 db over the frequency range
Cable: 20-foot, three-conductor, shielded, detachable, black PVC jacket
Connector: 4-pin
Case: Die-cast zinc alloy, satin chrome finish case, bright chrome finish screen
Dimensions: 6″ length, 2″ diameter
Weight: 20 ounces without cable, shipping weight, 3 pounds

List price high/low impedance $95.00

Specifications, Model 701

Type: Cardioid dynamic
Impedance: High (40,000 ohms)
Output level: —55 db (0 = 1 volt/microbar)
Frequency response: 40-15,000 Hz
Discrimination: Typically 20 db over the frequency range
Cable: 12-foot, single-conductor, shielded, detachable, grey PVC jacket
Connector: Amphenol MC1F, screw on type
Case: Die-cast zinc alloy, satin chrome finish case, bright chrome finish screen
Dimensions: 5½″ length, 2″ diameter
Weight: 20 ounces without cable, shipping weight 3 pounds

List price high impedance only $70.00

Model 2203

Professionally Styled Dynamic Cardioid Microphone

A new dynamic cardioid microphone designed to today's high style requirements with the excellent performance characteristics built into all Turner cardioid dynamic microphones. Excellent balance for hand-held use. It's relatively small and light weight, yet rugged to stand the day to day abuse of professional performers. This attractive microphone features a professional locking 3-pin connector and all steel case for years of trouble-free use.

List price $90.00

Specifications, Model 2203

Type: Cardioid dynamic
Impedance: 150 ohms/balance line output
Output level: —57 db (0 = 1 mw./10 microbars)
Frequency response: 50-15,000 Hz
Switch: On-off line shorting type
Cable: 20-foot, 2-conductor, shielded, black PVC jacket
Connector: 3-pin, Switchcraft type
Case: Machine steel, satin chrome finish

MODEL 2300

MODEL 45

MODEL 35

MODEL 35A

Turner 2300 Series

Professional Omni-directional Microphones

Professionally styled, omni-directional, dynamic recording, public address, and broadcast microphone. Omni-directional sound pick-up provides a natural sound, with live presence, particularly desirable for live recording. Also excellent choice when more than one person uses the microphone at the same time in live entertainment situations. Small diameter (¾″) machined steel case, satin chrome finish, steel grill—easy to handle, rugged and durable, will provide many trouble-free years of excellent performance. Wide, peak-free 50-15,000 Hz frequency response, built-in wind screen to reduce pop and breath noise. —56 db output. Detachable 20-foot cable with professional 3-pin connector. On-off switch. Model 2300 is high impedance. Model 2302 is low impedance.

List price $80.00 Model 2302 low impedance, $80.00

Model 45

Low-Cost Cardioid with Switch

Cardioid dynamic microphone, 100-13,000 Hz frequency response, on-off switch. Permanently attached, 20-foot cable with phone plug attached. Excellent cardioid characteristics, frequency response and durability at a remarkably low price for installations where cost is important. Built-in blast filter to suppress "pop" and "howl." High impedance. Black Cycolac case with diamond-turned aluminum head and steel wire grille.

List price $45.00

Turner "Mini-Mike" Lavaliers

Model 35 Series

Dynamic Lavalier Microphones

No longer is it necessary to be impeded by making-do with heavy, clumsy microphones in lavalier applications. These new, very small, light weight microphones are designed specifically for lavalier applications, including a tailored response over the entire speech range with no discrimination or distortion. Omni-directional pick-up pattern. Lavalier cord and clothing clip included. Desert gold finish.

Model G-18 stand adaptor and Model G-16 desk stand are complementary accessories.

Model 35

¾″ diameter by 3″ length. High-low impedance combination. 25-foot, 3-conductor, shielded cable. Weighs only 41 grams (less cable). Output level: Hi imp. —60 db (0 = 1 volt/microbar); 150 ohm —60 db (0 = 1 mw./10 microbars). Frequency response: 50-12,000 Hz.

List price $70.00

Model 35A

2¼″ long, ¾″ diameter. 150 ohm impedance. Output level: —60 db (0 = 1 mw./10 microbars). 50-12,000 Hz frequency response. Broadcast model, desert gold finish, chrome grill. 25-foot, 2-conductor, shielded cable. Weighs only 29 grams (less cable). Packaged in attractive leatherette covered permanent carrying case.

List price $80.00

Model S-35A

A low impedance lavalier microphone, as Model 35A above, but with a line shorting switch, and the 3-inch long case. Weight only 40 grams (less cable).

List price $85.00

Professional Recording, Broadcast, Public Address

MODEL 866

MODEL 766

Balladier Musician's Cardioid Dynamic Microphones with Carrying Cases

The Turner Balladier line of cardioid dynamic microphones was designed specifically to reproduce the high volume sounds of today's musical groups. Each Balladier microphone is packaged in a personalized carrying case and includes a 20-foot cable with phone plug for direct plug-in to any guitar amplifier. Each microphone is supplied with a rugged stand adaptor for in-hand or on-stand use. All Balladier microphones have a carefully defined cardioid pick-up pattern to accommodate high levels without feedback. All have built-in blast filters to eliminate "pop," "howl" or wind noise. All are high impedance. A variety of styles and prices are available.

Model 866

Cardioid performance at a low price. Ball screen styling. 100-13,000 Hz frequency response. Permanently attached cable. No on-off switch.

List price $40.00

Model 766

Ball screen styling, excellent cardioid performance, 40-15,000 Hz frequency range. Heavy duty chrome finish. Removable 20-foot cable, on-off switch.

List price $75.00

MODEL 2250

MODEL 2466

MODEL 2266

MODEL 566

Model 2250

Highly directional cardioid dynamic microphone with excellent 16-18 db "front to back" discrimination across the usable range. Steel case with modern and rugged Cycolac front, on-off switch. Features a 20-foot removable cable, single conductor shielded with phone plug attached; a professional 3-pin A3F connector; easily replaceable cartridge for field repairs; Cycolac swivel desk or floor stand adapter. High impedance, −58 db output level (0 = 1 volt per microbar), 70-13,000 Hz frequency response range. Comes in Balladier-style individual carrying case.

List price $65.00

Model 2255

Same as 2250 except 150 ohm impedance.

List price $65.00

Model 2466

Modern styling, steel case painted Sun Tan, rugged steel head. 20-foot removable cable with Amphenol MC1F connector, 70-13,000 frequency range with highly discriminatory front-to-back cardioid pattern. On-off switch.

List price $70.00

Model 2266

Modern styling, rugged steel case, functional design. Highly directional ideal cardioid pattern to cut out background and speaker noises to reduce feedback. 50-15,000 Hz frequency response, extremely flat to eliminate distortion. On-off switch, professional locking type 3-pin connector. 20-foot removable cable.

List price $90.00

Model 566

Traditional professional styling, heavy duty satin chrome finish. Unexcelled front to back discrimination to provide more usable gain before feedback. 50-15,000 Hz frequency response. Removable 20-foot cable, on-off switch.

List price $100.00

Individual carrying case. List price $8.00

Paging, Public Address and General Purpose

MODEL 750

MODEL MP753

The utility features of a paging microphone are a major consideration, since there are a variety of applications requiring specific mechanical design characteristics. The choice of desk model, fixed mount units and hanger-type microphones (see Pages 14, 15, 18 and 19 for additional hanger-type microphones) covers most of the paging applications. The performance specifications—impedance, output level, and frequency response—are also important if the microphone is to function properly with the amplifying equipment. Finally, the switching functions required in the specific application may be a factor in the selection of the right model. Detailed technical information, along with architect-engineer's specifications, are available on the individual Turner specification sheets covering each model.

Turner 750 Series

The 750 series microphones are designed and styled to match the decor of today's office furniture and consoles and have a rugged die-cast metal case which incorporates a touch-bar to actuate leaf spring switches and a "flick of the finger" slide lock to permit either momentary or "locked-on" use of the touch bar. Leaf switches are rigidly mounted to the base of the microphone to prevent them from getting out of adjustment. Base is designed to accommodate additional switch contacts for maximum switching flexibility. All models in the 750 series of dynamic paging microphones employ Turner's latest design, wide-range, dynamic interior for smooth, peak-free performance. Modern, professional, brown metallic finish with chrome trim, non-marking rubber feet for desk or table top protection.

Model 750 *

High impedance. 20-foot, three-conductor (one shielded) cable. Normally open switching for relay control. Output level: —52 db (0 = 1 volt/microbar). Frequency response: 60-10,000 Hz.

List price $75.00

Model 751 *

150-ohm impedance. 20-foot, four-conductor (two shielded) cable. Normally open switching for relay control. Output level: —52 db (0 = 1 mw./10 microbars). Frequency response: 60-10,000 Hz.

List price $75.00

Model 758 *

150-ohm impedance. 20-foot, four-conductor (two shielded) cable. Line shorting switching on the microphone with normally opened relays for relay control. Output level: —52 db (0 = 1 mw./10 microbars). Frequency response: 60 to 10,000 Hz.

List price $75.00

**Models 750, 751, and 758 carry Turner's exclusive Five Year Guarantee.*

Multi-Zone Paging

Model MP756

The Turner MP756 has the capability of providing paging into a maximum of 11 separate zones, plus an all-zone, or all-call, capability. It is equipped with a 200-ohm dynamic interior, has a center-mounted "busy" light, and six SPDT, three-position, center-off, rocker-type push-to-talk switches. Through the use of both positions of each switch, relay switching to the maximum of 11 separate zones plus the all-call may be accomplished. The MP756 has no cable or internal wiring—this allows the sound installer to wire the microphone to fit any desired application.

List price $60.00

Model MP755

The MP755 is basically the same as the MP756 except with three DPDT switches, thus allowing paging into five separate zones plus an all-call position. This is for use with special equipment requiring relay and microphone switching combined.

List price $60.00

Model MP753

The Turner MP753 microphone provides relay switching into three separate zones plus an all-call capability. It is pre-wired, has a 10-foot cable. The MP753 uses a 200-ohm dynamic interior, a center-mounted "busy" light, and four SPST rocker-type push-to-talk switches.

List price $80.00

MODEL 251

MODEL +50

Turner 250 Series

The workhorse series of paging microphones, found in many more applications and new variations of function each year. Designed to stand on a table, the one-piece die-cast case incorporates a touch bar to actuate leaf spring switches and a locking lever to permit either momentary or locked-on use of the touch bar. The lift switch feature incorporated in some models duplicates the touch bar switching function so the microphone may be switched either with the touch bar or by lifting from the table surface.

All models are wide range dynamics. Satin chrome finish. Non-marking rubber feet. 7¾″ height, 5½″ depth, 3 pounds weight, 4 pounds shipping weight.

Model 250

With lift switch, high impedance, 20-foot three-conductor (one shielded) cable. Normally open switching for relay control. Output level: —52 db (0 = 1 volt/microbar). Response: 60-10,000 Hz.

List price $70.00

Model 251

With lift switch, 150 ohm impedance, 20-foot four-conductor (two shielded) cable. Normally open switching for relay control. Output level: —52 db (0 = 1 mw./10 microbars). Response: 60-10,000 Hz.

List price $70.00

Model 252

Without lift switch. High impedance. 7-foot three-conductor (one shielded) cable. Normally open switching for relay control. Output level: —52 db (0 = 1 volt/microbar). Response: 60-10,000 Hz.

List price $60.00

Model 253

Without lift switch, 150 ohm impedance. 7-foot four-conductor (two shielded) cable. Normally open switching for relay control. Output level: —52 db (0 = 1 mw./10 microbars). Response: 60-10,000 Hz.

List price $60.00

Model 258

With lift switch, 150 ohm impedance, 20-foot four-conductor (two shielded) cable. Normally closed (line shorting) microphone and normally open relay switching. Output level: —52 db (0 = 1 mw./10 microbars). Response: 60-10,000 Hz.

List price $70.00

Model +50

Containing its own transistor amplifier and battery power source, it is the solution to the problem of very long lines between microphone and power amplifier. Smooth, wide-range response from 60-10,000 Hz. Output level: +2 db (0 = 1 mw./10 microbars). Impedance of 150 or 600 ohms selected with a slide switch in the base of the microphone. On-off switching is virtually noiseless. Volume control adjusts amplifier gain—up to 50 db. Maximum output is —5 dbm, enough to allow paralleling of several microphones through suitable matching resistance networks into a single power amplifier. Normally open switch operated in conjunction with the on-off switch may be used for relay control or for muting of music in paging systems. Satin chrome case. Four-conductor (two shielded) 7-foot cable. Shipping weight is 3 pounds.

List price $80.00

MODEL SR785D

MODEL SR585D

MODEL NC350D

Paging, Public Address and General Purpose

Model SR785D

Long-Life Gooseneck Microphone with 5-Year Guarantee

The best gooseneck microphone ever made by anybody. New mounting flange, new stronger flex arm, shock-mounted cartridge, new leaf-type switch which will take over a million operations and keep on working. The switch is not only the best, it's easily replaceable, too. The only field repairable gooseneck microphone there is. Die-cast case, rugged aluminum grille. Dynamic, omnidirectional. Model SR785D Hi is high impedance, output level -56 db (0 = 1 volt/microbar). Model SR785D Lo has 150 ohm impedance, output level −56 db (0 = 1 mw/10 microbars). Both have the switch normally shorted in the off position. Model SR785-2 has 150 ohm impedance, −56 db output, switch normally open in the off position. Cable extends 4 feet past base.

List price SR785D-2 $55.00

List price SR785D Hi or Lo Z $55.00

Model SR585D

Grocery check-out counters, switchboards, airline announcing stations—any place a fixed installation paging and announcing microphone is needed is the place for the SR585D. Die-cast microphone and switch housings are mounted on a 16″ flexible arm with a 3-hole flange for installation to any flat surface. Satin chrome plated. Switch is DPDT leaf spring for long life and maximum utility in switching circuitry. Momentary contact. One pole is normally closed (line shorting) in the mike circuit and one pole is normally open for external relay control or music muting.

Output level: high impedance, −58 db (0 = 1 volt/microbar); 150 ohm, −58 db (0 = 1 mw./10 microbars). 150 ohm or high impedance (specify). Three- or four-conductor (two shielded) cable extends 4-foot from flange. Also available from stock in low impedance with both switches normally open, specify **A58772.**

List price $50.00 A58772 $50.00

Model 585

Similar to SR585D listed above, but without a switch. Specify high or 150 ohm impedance.

List price $40.00

Model NC350D

Noise Canceling Microphone

A low-cost dynamic paging microphone for sound installations which could benefit from a noise canceling feature—anywhere with high ambient background noise. Also an excellent choice for P.A. siren applications or portable paging applications where feedback is a problem due to close proximity of speakers and high volume levels. 200-4,500 Hz frequency response, 200 ohm impedance, output level − 60 db (0 = 1 mw/10 microbars). Black Cycolac case, soft rubber lip guard. Professional coiled cord, neoprene-covered (four conductor, two shielded). Wired for relay operation.

List price $35.00

MODEL 58

MODEL S33D

MODEL P-9D

MODEL 35614

Model 58

Favorite of many users, the microphones in this series are dependable performers. Omni-directional, they may be used as a desk microphone (with matching G-4 stand) as well as a lavalier. All metal 1″ diameter case is finished in neutral umber grey. Hi/lo impedance, 4″ long, 25-foot three-conductor shielded cable, weighs 3½ ounces. Output level: high impedance, —60 db (0 = 1 volt/microbar); low impedance, —60 db (0 = 1 mw./10 microbars).

List price $70.00

Model 58A

50/200 ohm impedance, 4″ long, 25-foot three-conductor shielded cable. Output level: —60 db (0 = 1 mw./10 microbars).

List price $70.00

Model S58

With line shorting on-off switch, high/low impedance, 25-foot three-conductor shielded cable. Output level: high impedance, —60 db (0 = 1 volt/microbar); low impedance, —60 db (0 = 1 mw./10 microbars).

List price $75.00

Model S33D

Dynamic microphone. Another old timer in the Turner catalog. Used all over the world for public address, ham radio. Swivel mounting. Zinc die-cast case, satin chrome finish. With 20-foot detachable cable. High impedance or 200 ohms (specify). Output level: high impedance, —54 db (0 = 1 volt/microbar); 200 ohm, —54 db (0 = 1mw./10 microbars). With line shorting on-off switch.

List price $60.00

Model P-9D

Dynamic microphone. This is a long-standing favorite in the Turner catalog. It can't be beat when the need is for a microphone that will take knocks and rough usage. Heavy zinc die-cast case. Satin chrome finish. Output level: high impedance, —52 db (0 = 1 volt/microbar); 200 ohms, —52 db (0 = 1 mw./10 microbars). High impedance or 200 ohms (specify), 7-foot detachable cable. For use either in the hand, mounted on a stand, or on a gooseneck.

List price $60.00

Model 35614

Dynamic, for P.A. installations, is specifically designed, with its 600 ohm impedance, for use with inexpensive portable P.A. systems. Standard type 355 case; 5-foot four-conductor (two shielded) coiled cord. Output level: —54 db (0 = 1 mw./10 microbars).

List price $30.00

Model 36004

A low cost, dynamic hand-held paging microphone for P.A. installations. New 200-ohm dynamic cartridge mounted in the rugged 360-style Cycolac case. Its ¾ scale case size matches today's transistorized equipment. 5-foot extended, 12″ retracted, four-conductor (two shielded) coiled cord. Output level: —54 db (0 = 1 mw/10 microbars).

List price $30.00

Model 350D

Dynamic, for P.A. installations. Same as Model 36004 above, but in the popular 350 style case.

List price $30.00

Base Station Communications

MODEL +2

MODEL +3

Turner base station communications microphones are in use in thousands of installations. The base station operator may choose between a new high output ceramic interior on a standard microphone or ceramic or dynamic interiors on microphones with transistorized pre-amplifiers. Each model is housed in a sturdy die-cast case, with touch-to-talk switch actuator and a lock-lever for longer transmissions.

The transistorized +2, +3, and Sidekick 100 models are particularly appealing to many base station operators. In all models, the adjustable output level makes the microphone universally efficient with a wide variety of transceivers. All are wired to operate with either relay-operated or electronic switching sets—a slide switch in the base of the microphone permits easy selection. The adjustable volume control allows the operator to speak into the microphone at a distance from the unit and provides the capability to boost the signal from a fading set. The Model +3 adds a compression amplifier circuit which assures that, with the volume control properly set, you can vary the distance from the microphone by a ratio of 6 to 1 and still maintain 100 percent modulation at all times, without overmodulation—maximum performance and full modulation are guaranteed by this Modu-Gard® feature. The Sidekick 100 is expressly designed, with its low impedance dynamic cartridge, to be compatible with all transistorized transceivers, and to match the input requirements of AM/SSB transceivers in particular. The Sidekick 100 should not be used with tube-type transceivers.

Each +2, +3 and Sidekick 100 is packaged with an informative booklet which provides complete installation instructions for a large variety of transceivers.

Model +2

Transistorized ceramic base station microphone features a two-stage silicon transistor amplifier powered by a self-contained 9V battery with a convenient volume control. The Model +2 was designed to meet the need of a base station microphone with adjustable modulation capability combined with maximum temperature and humidity stability. Light blue finished die-cast case is complemented by a matching three-conductor (one shielded) coiled cord, bright chrome front and black push-to-talk touch bar and lever-lock control. Relay or electronic switching is accomplished by positioning a slide switch in the base. Self-contained 9V battery powers an adjustable amplifier. Voltage gain from 0 to 35 db. Frequency response 300-3,500 Hz. Output level: —23 db (0 = 1 mw./10 microbars). Weighs 1 pound, 8 ounces. Shipping weight is 3 pounds.

List price $60.00

TRANSISTORIZED

Model +3

Transistorized Pre-Amp plus Modu-Gard®

A two-stage, battery powered silicon transistor pre-amplifier with volume control, plus a compression amplifier circuit which provides adjustable voltage gain of 0 to 33 db and at the same time guards against over-modulation. With proper adjustment of the volume control, the signal must come in loud and clear, with no over-modulation interfering with other channels. New functional styling in rugged die-cast metal case with grey hammertone finish designed with the base station operator specifically in mind. New ceramic interior. 300-3,000 Hz frequency response range for best voice transmission. Touch-to-talk front bar, slide lock for extended transmission. Self-contained 9V battery. Output level —23 db. Three-conductor (one shielded) coiled cord. Matches either relay or electronic switching, comes complete with wiring instructions for over 100 popular transceiver models. Shipping weight is 4 pounds.

List price $75.00

MODEL SIDEKICK 100

MODEL 254HC

MODEL 754C

Sidekick 100

For all transistorized and SSB CB transceivers.

The Turner Sidekick 100 is the first microphone specifically designed for use with all transistorized and single sideband CB transceivers. Its IC amplifier provides a perfect impedance match for transistorized transceivers; its dynamic interior is extremely rugged and unaffected by temperature and humidity. Jet black finish with polished chrome head. 300-3,500 Hz frequency response. Volume control adjustable for up to 40 db gain for cutting through hash and noise. Adaptable to either relay or electronic switching. Push-to-talk bar and lock-lever. Output level −50 db, output impedance 100 ohms. Nine-volt easily replaceable battery. Weight 2 pounds, shipping weight 4 pounds.

List price $75.00

New HC Microphones

For many years, the traditionally styled, non-amplified base station communication microphones have been available with either ceramic or crystal interiors. While the ceramic was preferable for stability and ruggedness, the crystals did provide a slightly higher output. With a newly developed HC ceramic cartridge, providing a higher −50 db output, the need for a crystal interior microphone has been eliminated. Since the supply of crystals has consistently been tenuous, with poor quality control, Turner has discontinued crystal interior base station microphones in favor of the new HC series microphones.

Model 454HC

Ceramic base station microphone offers single sideband frequency response (300-3,000 Hz). Newly developed −50 db output ceramic cartridge combines the ruggedness and excellent fidelity associated with ceramic elements with the extremely high output level previously available only with crystal elements. Satin black finished die-cast case with push-to-talk touch bar and lever lock control for continuous operation. Equipped with a three-conductor (one shielded) black coiled cord, the Model 454 HC is wired for relay or electronic switching, selectable by a slide switch on the bottom of the base. The 454HC is easily adaptable to VOX operation. Frequency response 300-3,000 Hz. Output level −50 db (0 = 1 volt/microbar). Shipping weight is 3 pounds.

List price $40.00

Model 254HC

Newly developed high output ceramic base station microphone. Provides optimum performance at minimal cost. Die-cast case finished in light grey hammertone uses the new ceramic cartridge which combines ruggedness and smoothness of response with a high output level previously available only in crystal microphones. Compatible with tube-type transceivers or amplifiers requiring relay or electronic switching. Equipped with push-to-talk touch bar, lever lock control and 7-foot, three-conductor shielded, straight cable. Frequency response 100-8,000 Hz. Output level −50 db (0 = 1 volt/microbar). Height, 7¾″; depth, 5½″. Shipping weight 3 pounds.

List price $35.00

Model 754C

A new conventional ceramic base station microphone with the styling of Turner's famous +3. Stylish new case in rugged die-cast metal with grey hammertone finish. Choice of touch-to-talk or lock on-off switching. May be used for either relay or electronic switching merely by movement of slide switch in the base of the microphone. New Turner exclusive design high output ceramic interior frequency response 300-3,000 Hz. Output level: −50 db. Equipped with 3-conductor, 1 shielded, black PVC coiled cord, 5-foot extended, 11″ retracted. Shipping weight 3 pounds.

List price $40.00

MODEL M+3

MODEL M+2/U

When selecting a mobile microphone, it is essential to consider a model which provides the impedance, switching capabilities and performance characteristics required for proper transceiver operation. Turner offers all of the widely accepted types; ceramic, dynamic, carbon and a variety of transistorized units in a choice of styles in either rugged Cycolac or durable die-cast zinc alloy with satin chrome finish. All mobile microphones are supplied with 5-foot extended coiled cord, dash mounting knob and hardware.

The variety of case styles offers the user a choice of sizes, pushbutton or lever switch action, and a selection of colors. The transistorized models, with adjustable output, are nearly universal in their application. Included with each of these microphones is a booklet which identifies nearly a hundred transceiver models which are compatible, and detailed wiring instructions to make the installation easy.

Model M+3

Transistorized Mobile Microphone with Volume Control and Modu-Gard®

A modern styled mobile microphone with a slide-action volume control plus a new compression amplifier circuit which provides the ability to fully modulate your transceiver without over-modulation. Easy to use slide-action control allows volume to be adjusted for up to 15 db gain. Modu-Gard allows talking close to or far from the microphone without varying the output signal, guarantees a clear, strong signal and avoids over-modulating into adjacent channels. Ceramic interior, 300-3,500 Hz frequency response tailored for best voice transmission. Push-to-talk switch. 7-volt easily replaceable power pack is built into rear door. Newly styled case has white front, blue back. A blue rubber (Hypalon) coiled cord (three conductor, one shielded). Model M+3 for relay switching, Model JM+3 for electronic switching.

List price $55.00. JM+3 $55.00

Transistorized

Model M+2/U

Transistorized ceramic mobile microphone combines the humidity and temperature stability of a two-stage silicon transistor amplifier with a ceramic generating element. Output level of the M+2/U is controlled by a calibrated ten-position volume control which is located on the upper rear case housing. M+2/U's built-in amplifier provides a gain of 15 db over conventional ceramic microphones and is powered by a self-contained 7-volt mercury battery. M+2/U is wired for relay switching with three-conductor (one shielded) coiled cord in a blue Cycolac case. Frequency response 300-3,000 Hz. Output level: —33 db (0 = 1 mw./10 microbars). Shipping weight is 12 ounces.

List price $50.00.

Model JM+2/U

Includes all the features of the M+2/U in a model wired for transceivers requiring electronic switching. Write for free booklet detailing sets compatible with Models M+2/U and JM+2/U.

List price $50.00

MODEL +350

MODEL 360

Model +350

Transistorized dynamic mobile microphone designed to provide consistent modulation and improved intelligibility as a replacement for many transceivers which normally require carbon microphones. Two-stage silicon transistor amplifier is installed in a dark gray Cycolac 350 style housing with a three-conductor (one shielded) coiled cord wired for relay switching. Frequency response 350-4,000 Hz. Output level: —24 db (0 = 1 mw./10 microbars). Shipping weight, 12 ounces.

List price $50.00

Model J+350

Includes all the features of the +350 in a model wired for transceivers requiring electronic switching. Write for a free listing of transceivers which can use Models +350 and J+350.

List price $50.00

Model 360 Series

Designed to provide the convenience of reduced size and weight in rugged Cycolac; to complement the newest solid state transceivers and portable public address systems. All models have a shipping weight of 12 ounces.

Model 360

Ceramic microphone for operation of high impedance tube type transceivers as well as medium, 50k ohm transistorized inputs. Wired for relay operation with three-conductor (one shielded) coiled cord. Frequency response of 300-3,000 Hz. Output level: —65 db (0 = 1 volt/microbar). Black Cycolac case.

List price $18.00

Model J-360

For transceivers requiring a ceramic microphone wired for electronic switching.

List price $18.00

Model 360R

Carbon microphone utilizes a rugged telephone type interior for maximum output with minimum distortion. Wired for relay switching with four-conductor (unshielded) coiled cord. Impedance 80 ohms, frequency response of 200-4,000 Hz. Output level: —15 db (0 = 1 mw./10 microbars).

List price $25.00

Model 360 Lo-Z

High capacity ceramic microphone for transistorized transceivers requiring a low impedance type of microphone input.

List price $20.00

MODEL 350C

MODEL 355C

MODEL SR-90

MODEL NC350C

Mobile Communications

Model 350C

Ceramic microphone offers traditional mobile styling in the most widely accepted original equipment microphone in CB communications history. Temperature stable ceramic interior provides compatibility for high impedance transceivers and portable paging systems. Wired for relay switching with three-conductor (one shielded) coiled cord, frequency response of 80-7,000 Hz. Output level: —54 db (0 = 1 volt/microbar). Charcoal Cycolac case, shipping weight, 1 pound.

List price $18.00

Model 355C

Ceramic microphone with full grip-to-talk switch for ease of operation. Three-conductor (one shielded) coiled cord wired for relay switching of high impedance transceivers. Frequency response 80-7,000 Hz. Output level: —51 db (0 = 1 volt/microbar). Charcoal Cycolac case. Shipping weight, 1 pound.

List price $20.00

Model 90 Series

Features Turner's slender style zinc alloy die-cast case in satin chrome with exclusive front hanger button. Relay switching is accomplished with professional quality direct-acting leaf-type switches. Shipping weight of 1 pound, 6 ounces.

Model SR90D-5

Dynamic microphone, Hi impedance, frequency response of 200-10,000 Hz. Output level: —52 db (0 = 1 volt/microbar). Three-conductor (one shielded) coiled cord.

List price $45.00

Model SR90D-6

Dynamic microphone, 200 ohms impedance. Four-conductor (two shielded) coiled cord. Frequency response 200-10,000 Hz. Output level: —52 db (0 = 1 mw./10 microbars).

List price $45.00

Model SR90R

Carbon microphone with durable telephone type carbon interior for maximum intelligibility and minimum distortion. Impedance 80 ohms, frequency response 200-4,000 Hz. Output level: —15 db (0 = 1 mw./10 microbars). Neoprene jacketed, four-conductor, unshielded, coiled cord.

List price $36.00

Model NC350C

Mobile Noise Canceling Microphone

Overcomes background noise caused by passing traffic, engine roar, other passengers, to supply a clear signal to the receiver. Also effectively reduces feedback which normally results in operating your transceiver in P.A. mode at high volume. Cycolac case, soft rubber lip guard, all professional black. Peaked 100-7,000 Hz frequency response gives voice punch to cut through QRM. Output level -62 db (0 = 1 volt/microbar); temperature stable ceramic interior. Neoprene coiled cord (three conductor, one shielded).

List price $21.00

Model 350R

Carbon microphone in the popular 350 style case utilizes a rugged telephone type interior for maximum output with minimum distortion. Wired for relay switching with four-conductor (unshielded) coiled cord. Impedance 80 ohms, frequency response of 200-4,000 Hz. Output level: —15 db (0 = 1 mw./10 microbars).

List price $25.00

MODEL 2800

MODEL 2804, MATCHED STEREO PAIR

MODEL 2811/2812

MODEL 2850

Tape Recording

Varied microphone input impedance and connecting plug receptacle requirements on today's tape recorders make the selection of the proper replacement microphone essential to the satisfactory functioning of the recorder. Turner offers a wide variety of tape recorder microphones designed to meet required performance characteristics and to provide a selection of style, size and functional versatility. Carefully review the impedance and receptacle requirements of your tape recorder before purchasing a replacement microphone.

Of particular importance to owners of the currently popular cassette recorders are the Models 2811 and 2812. Unlike conventional tape recorders, which require microphones wired for audio input only, the cassette models are built to accept a microphone which also includes a switch for start-stop functions. The Turner 2811 and 2812 provide this switch, and also have a cable termination which permits the user to plug in the start-stop plug and the audio plug individually. This feature provides a universal application to a variety of cassette recorders which may have variations in the spacing of the microphone receptacle in the cassette recorder.

Model 2800

Omni-directional dynamic microphones feature slender styling in durable Cycolac with versatile stand—lavalier accessory and 12-foot cable with molded phone plug. High impedance, frequency response 80-12,000 Hz, output level: —63 db (0 = 1 volt/microbar). Shipping weight is 1 pound.

List price $20.00

Model 2804

Offers a pair of Model 2800's matched for stereo recording. Shipping weight is 2 pounds.

List price $40.00

Model 2811

Provides a high impedance dynamic microphone with on-off remote switch, 12-foot cable terminated in a variable spaced split-two-prong mini plug for cassette recorders. Frequency response 80-12,000 Hz. Output level: —63 db (0 = 1 volt/microbar). Shipping weight is 1 pound.

List price $20.00

Model 2812

A low impedance version of the Model 2811.

List price $20.00

Model 2813

Dynamic microphone offers high impedance with on-off switch and a 12-foot cable with a molded phone plug. Frequency response 80-12,000 Hz. Output level: —63 db (0 = 1 volt/microbar). Shipping weight, 1 pound.

List price $20.00

Model 2814

Provides all features of the Model 2813 in a low impedance dynamic.

List price $20.00

Model S2850

Dynamic cardioid microphone with on-off line shorting switch. A new addition to the line and an outstanding value. May be used in the hand, or, utilizing the handy accessory included, as a lavalier, or desk microphone. Highly directional, it effectively cancels sounds arriving from the rear. Smooth, peak-free response to sounds arriving from the front. Range 70 to 12,000 Hz. Tough, durable Cycolac housing. Combination high/low impedance. 12-foot cable. Output level: high impedance, —60 db (0 = 1 volt/microbar); 150 ohms, —62 db (0 = 1 mw./10 microbars). Shipping weight 1½ pounds.

List price $50.00

Cartridges

Model B75085

Replacement interior pack for Model +3 microphone.

List price $12.00

Model 13C

Universal replacement dynamic interior used in Turner Model 9D, 33D, 70D, SR90D and 250 series. Size, 2″ diameter x ⅞″ depth.

List Price $12.00.

Model 194

Replacement dynamic interior for Models 58, S-58, 95D. Size, ⅞″ diameter. x 1¼″ long.

List Price $24.00.

Model CB-25

Consists of 25 Model 21C replacement microphone interiors individually poly-bagged and mounted on an attractive 14″ x 22″ display card. Replacement interiors used in Model 350C, 254C, M+2U.

List Price $250.00

Model 21C

Universal ceramic interior used in Turner's 350C, 254C, M+2U. Size, 1²⁹⁄₃₂″ diameter x ½″ depth.

List price $10.00

Model 33

Replacement carbon interior, used in all Turner carbon microphones. Size, 1¾″ diameter x 9/16″ depth.

List Price $10.00.

Model 35599A-1

Replacement ceramic interior for Model +2. Size, 1-29/32″ diameter x ½″ depth.

List Price $10.00.

Stands

Model C-7

Shock-mounted desk stand. Die-cast base is finished in satin chrome. Height 5⅝″, maximum width, 4″. Shipping weight is 2 pounds.

List price $15.00

Model C-7G

Gold finished Model C-7 to match Model 500 gold.

List price $16.00

Model C-3

Die-cast base finished in satin chrome. 6″ upright, base diameter 5″. Shipping weight is 1 pound.

List price $9.00

Model G-10

Desk or floor stand adaptor for Model 58 microphone.

List price $7.00

Model G-4

Clip on stand for Model 58.

List price $10.00

Model G-12

Floor stand with ⅝″-27 thread. Finished in gleaming chrome. Non-slip telescope action adjusts to heights from 35″ to 65″. Shipping weight is 13 pounds.

List price $25.00

Model G-16

Desk stand for Model 35 microphone.

List price $7.00

Model G-18

Stand adaptor for Model 35 microphone.

List price $5.00

Model MB-10

Adjustable Baby Boom provides flexibility in microphone positioning when used with G-12 floor stand. Shipping weight is 4 pounds.

List price $16.00

Model B50277

Cycolac holder assembly for Models 500, S500, 566, 600, 602, 700, 701, 766.

List price $4.00

Model B02333

Replacement holder assembly for 2203, 2250, 2266, 2300, 2302, 2466 microphones,

List price $4.00

Uprights and Flexarms

For stand or adaptor mounting ⅝″-27 threads.

Model 1572-5

6″ steel upright. List Price $4.00

Model 1572-12

10″ upright. List Price $4.00

Model 5857A-4

16″ flexarm. List Price $7.00

Model 5857

13″ flexarm. List Price $7.00

Model C01055-1

16-inch flexarm for SR785D.

List price $7.00

Accessories

Model 35668

Replacement coiled cord. Three-conductor (one shielded), 11″ retracted—5′ extended. Shipping weight, 1 pound.

List price $5.00

Model B35577

Replacement neoprene coil cord. Three-conductor, one shielded, 11″ retracted, 5′ extended.

List price $5.00

Model B25197

Blue replacement three-conductor, one shielded, coil cord for +2, M+2U, JM+2U.

List price $5.00

Model C66057

Blue Hypalon coiled cord for Model M+3.

List price $5.00

Model TR-3

Line transformer matches 150-250 ohm microphone into high impedance inputs. Matte black finished magnetic shielded steel case is .800″ diameter and 2-9/16″ long. Supplied with mating 3-pin input connector and single-pin output connector. Shipping weight, 8 ounces.

List price $22.00

Model 5834A-1

Universal lavalier assembly complete with neck cord and tie clip. Neutral brown finish matches Models 58, 58A.

List price $9.00

Model 5836

Replacement neck cord for Model 5834A-1.

List Price $1.25.

Model 9035A-2

Universal spring tension clip dash bracket with mounting screws.

List Price $.63.

Model WS-1

Broadcast windscreen effectively reduces breath popping or wind blasting.

List price $7.00

TURNER

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