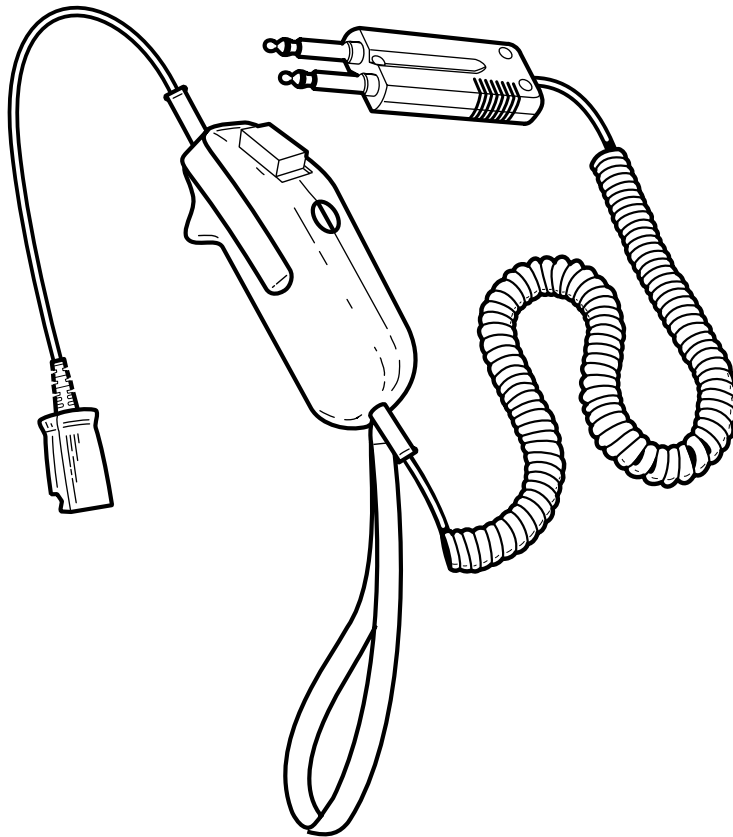


## SHS 1890 Push-to-Talk Amplifier



### Features

- > Allows the use of any H-series headset top in 6-wire controller and dispatch operations
- > Push-to-talk switch with selectable locking or momentary operation
- > PJ-7 (equivalent to WE-425) connector
- > Choice of 3 different coil cord lengths

### Models Available:

SHS 1890-10	10-foot coil cord
SHS 1890-15	15-foot coil cord
SHS 1890-25	25-foot coil cord

A 4-wire version, the SHS1892, is also available  
 A CE approved version, the SHS1890-XXE, is also available

### Product Specifications

#### Complete Headset (including H31CD capsule, 15-foot cord, push-to-talk switch)

Net weight	230 grams (8.1 oz.)
H31CD capsule only	10 grams (.35 oz.)
Shipping weight	490 grams (17.3 oz.)

#### Operating and Storage Ranges

Operating current range	10 to 120 mA dc
Operating temperature	0°C to 50°C (32°F to 122°F)
Storage temperature	-40°C to 65.5°C (-40° F to 151° F)

#### Microphone/Amplifier

Output level	-22.5 ± 5 dBV (42.2 to 133.4 mV RMS)
Frequency range	300 to 3300 Hz
Distortion	< 5%, 300 to 3300 Hz
DC resistance	> 35 ohms
Mic impedance	47.5 ohms
Polarity	Nonpolar
Terminal voltage	7.0 Vdc @ 50 mA

#### Receiver

The SHS 1890 allows the use of a wide variety of receiver styles. In addition to the characteristics listed in the table on the reverse side, each receiver has the following features:

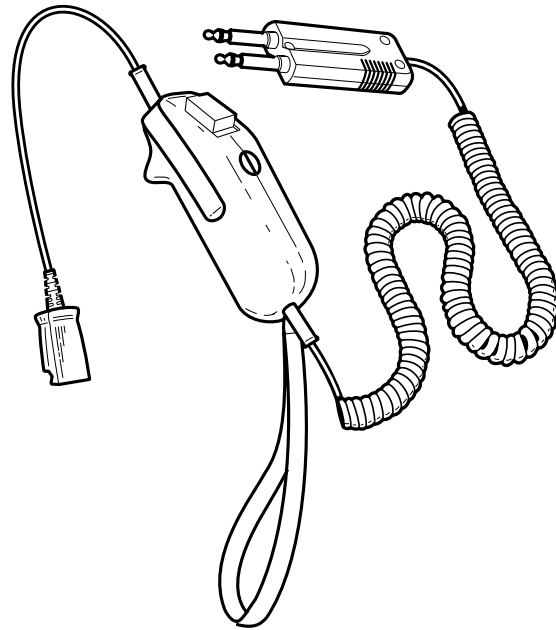
Acoustic limiter: Solid-state limiting device across the receiver transducer

Frequency range 300 to 3300 Hz

Distortion < 5%

Unless otherwise specified, all specifications are nominal, and assume a 50 ohm resistive load with a bias of 7.0 V dc through 226.5 ohms, and an input of 94 db SPL at 1000 Hz into an attached headset top. Specifications are subject to change.

# SHS 1890



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## Receiver Characteristics of Tops Used with SHS 1890 Push-to-Talk Amplifier

Plantronics Top	StarSet® III H31CD	StarSet® III H31/H31N	TriStar® H81/H81N	Supra® IV Monaural H51/H51N	Supra® IV Binaural H61/H61N	Encore® Monaural H91/H91N	Encore® Binaural H101/H101N
1kHz sensitivity (dBPa/V, ±4 dB)	20.5	19.5	22.0	30.0	24.5	wide band: 25.0 narrow band: 35.0	wide band: 19.0 narrow band: 29.0
Receiver Impedance (ohms, at 1 kHz)	600 ± 150	480 ± 50	450 ± 112.5	192.5 ± 57.5	385 ± 115	wide band: 210 ± 31.5 narrow band: 230 ± 34.5	wide band: 420 ± 63 narrow band: 460 ± 69
Source Drive Impedance (ohms)	600	10	10	10	10	10	10
Measuring Device	Brüel & Kjaer 4157 Ear Simulator <sup>1</sup>	Brüel & Kjaer 4157 Ear Simulator <sup>1</sup>	Brüel & Kjaer 4157 Ear Simulator <sup>1</sup>	Brüel & Kjaer 4153 Artificial Ear	Brüel & Kjaer 4153 Artificial Ear	Brüel & Kjaer 4157 Ear Simulator <sup>1</sup>	Brüel & Kjaer 4157 Ear Simulator <sup>1</sup>

Note 1: A proprietary Plantronics adapter is used with the specified Brüel & Kjaer measuring device.

### OUR PROMISE TO YOU:

Plantronics headsets  
deliver superior  
durability and reliability

### QUESTIONS?

Contact your local distributor  
or visit our website at:  
[www.plantronics.com](http://www.plantronics.com)

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