MEETS THE NEEDS OF MISSION CRITICAL APPLICATIONS

BENEFITS

- 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.
- CE compliant.

SHS1890 PUSH-TO-TALK AMPLIFIER

SHS1890 PTT with carbon type microphone amplifier, PJ-7 connector, and selectable switch operation (momentary or locking modes). Compatible with H-Series headsets.

CABLE OPTIONS AVAILABLE

- SHS1890-10, 10-foot coil cord, p/n 60825-310
- SHS1890-15, 15-foot coil cord, p/n 60825-315
- SHS1890-25, 25-foot coil cord, p/n 60825-325

SHS1890 PTT AMPLIFIER

SPECIFICATIONS

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 66°C (-40° F to 151° F)

MICROPHONE/AMPLIFIER

- **Output level:** -23.5 ± 5 dbV (37.6 to 119 mV RMS)
- **Frequency range:** 300 to 3300 Hz
- **Distortion:** < 5%, 300 to 3300 Hz
- **DC resistance:** > 35 ohms
- **Impedance:** 50 ohms
- **Polarity:** Nonpolar
- **Terminal voltage:** 2.3 Vdc @ 10 mA; 5.0 Vdc @ 100mA
- **Downward expander depth:** 12 dB

RECEIVER

The SHS1890 allows the use of a wide variety of receiver styles. In addition to the characteristics listed in the table below, each receiver has the following features:

- **Acoustic limiter:** Solid-state limiting device across the receiver transducer
- **Distortion:** < 5%

WARRANTY

- 2 years

Unless otherwise specified, all specifications are nominal, and assume a 50 ohm resistive load with a bias of 4.8 Vdc through 226.5 ohms, and an input of 94 db SPL at 1000 Hz into an attached headset top. Specifications are subject to change.

WEIGHTS*

MODEL	P/N	AVERAGE WEIGHT (lbs)	AVERAGE WEIGHT (gr)	AVERAGE WEIGHT w/BOX (lbs)	AVERAGE WEIGHT w/BOX (g)
SHS 1890-10	60825-310	0.48	218	0.64	289
SHS 1890-15	60825-315	0.61	277	0.77	347
SHS 1890-25	60825-325	0.77	349	0.93	421

Approximate weights are for reference.

RECEIVER CHARACTERISTICS OF HEADSETS USED WITH SHS1890 PUSH-TO-TALK AMPLIFIER

PLANTRONICS HEADSET	Starset H31CD	Tristar H81N-CD	SupraPlus® H251-CD/ H251N-CD	SupraPlus H261N-CD	EncorePro® HW510/ HW510V	EncorePro HW520/ HW520V	EncorePro HW710	EncorePro HW720
RECEIVER	Monaural, Narrowband, In-ear (eartip)	Monaural, Narrowband, Over-the-ear (earbud)	Monaural, Narrowband, Over-the-head	Binaural, Narrowband, Over-the-head	Monaural, Wideband, Over-the-head	Binaural, Wideband, Over-the-head	Monaural, Wideband, Over-the-head	Binaural, Wideband, Over-the-head
MICROPHONE TYPE	Omni-directional	Noise-canceling	Noise-canceling, Omni-directional	Noise-canceling	Noise-canceling, Omni-directional	Noise-canceling, Omni-directional	Noise-canceling	Noise-canceling
1KHZ SENSITIVITY (dBPa/V, ±4 dB)	20.5	22	14	9	17	13	15	11
RECEIVER IMPEDANCE (OHMS, at 1 kHz)	600 ± 150	475 ± 119	150 ± 37.5	300 ± 75	120	220	150	300
SOURCE DRIVE IMPEDANCE (OHMS)	600	10	10	10	10	10	10	10

Measuring device for all models is Brüel & Kjaer 4157 Ear Simulator.

Approximate weights for reference.

LEARN MORE

For more information about the SHS1890 PTT Amplifier or other Poly products, please visit our website at poly.com

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