



CT-HR PTT

- Flame-resistant
- IP66/67
- Equal to MIL-STD-810G

CT-HR PTT



IP Protection class IP66/67

 Flame-resistant to EN 443

 Optional: Equal to Protection class II 2 G Ex ib IIC T4

MIL-Specs Equal to MIL-STD-810G

 Bayonet connector

CT-HR PTT



CT-HR PTT

The PTT often forms the decisive link to personnel on the ground and can be a life-saver in worse-case scenarios. Accordingly, communications equipment needs to “hold up” even under atrocious conditions and continue to function even if fire service personnel are working in extremely hazardous environments.

HR = High Resistant

With its new CT-HR PTT, CeoTronics has developed a new, rugged in-line PTT that holds up against external factors in professional fire service missions. The in-line PTT housing is made from glass fiber-reinforced, shock-resistant material. The large PTT key is fitted with an overload cut-out and is designed for superlative durability. It is supplied with two ring guards for individual configuration. The flat ring guard permits keypresses

with e.g. the forearm, while the raised edge of the tall ring guard stops accidental activation in emergencies. Both variants feature bayonet connectors and are thus very easy to swap and snap securely into place. This means the CT-HR PTT can be custom configured to suit the conditions in the field.

Always the right way up

Two separate fixing brackets are available for personnel to attach the PTT onto or underneath mission clothing. Each can be rotated 360° and locked into place at a total of 16 positions. This ensures that the PTT is always at hand for the mission in question.

The new CT-HR PTT offers even more equipment features, which have been achieved through a series of tests and certifications or classifications:

- IP66/67: zero dust ingress and resistant to strong water jets plus protection against immersion
- Flame-resistant: to DIN EN 443
- UL 94/V0: Classified as not dripping flaming particles
- Color-coded plug connection: IP67



CT-HR PTT



CT-FlexCom



Using CT-HR PTT with radio equipment

The CT-HR PTT can be equipped with a range of functional soft keys to match the radio used. Physical key assignments depend on the radio model. Physical keys are assigned zero, one or two soft keys.

Available functions (depending on radio model) include:

- Emergency call key
- Second (parallel) PTT key
- Volume +/-

The new CT-HR PTT is available for connection to all popular analog and digital radios using the TETRA/TETRAPOL and DMR standards.

Additional soft keys

With the CT-HR PTT models for the MTP850, STP8000 and TPH700 radios, two additional soft keys have been integrated: default assignments are as emergency call/PTT keys. Other functions – e.g. volume control – are possible, but always depend on the exact radio model used. With the CT-HR PTT models for Motorola TRBO/MTP850S, GP320/340 and the 12-pin adapter, technical limitations mean no extra functions are currently offered.

CT-HR PTT: ATEX model

Radio-specific ATEX models of the CR-HR PTT can be supplied as required.

Currently available: the **CT-HR PTT Motorola MTP850 EX** an integrated component of the new **CT-HelmetSet MTP850EX** communication system for the MOTOROLA MTP850EX hand-held radio.

The CT-HelmetSet MTP850EX is currently usable with the following CeoTronics helmet accessories:

CT-HelmetSet MTP850EX

- Earpiece for helmet MSA Gallet F1 with contact (skullcap) microphone
- Earpiece for helmet MSA Gallet F1 with integrated electret microphone
- Earpiece for helmet MSA Gallet F1 with flexible boom mike

CT-HR PTT



Technical specifications

For CT-HR PTT

General data	
Housing	Impact-resistant plastic, self-extinguishing (UL 94 V-0)
Color	Black
Fireproof pursuant to	DIN EN 443
Protection class without Binder connector	IP66/67
Binder connector to fit CT-HSG	IP67
Temperature range	-32 °C to +65 °C
Permissible relative humidity	Max. 95 %
Distortion factor	≤ 5% at 1 kHz/1 W
MIL Testing	
Transit drop pursuant to MIL-STD-810G Method 516.6 Procedure IV	
Constant dry heat test pursuant to MIL-STD-810G Method 501.5 Procedure II 270 ohms at 1 kHz	
Constant dry heat test pursuant to MIL-STD-810G Method 501.5 Procedure I	
Constant dry cold test pursuant to MIL-STD-810G Method 502.5 Procedure II	
Constant dry cold test pursuant to MIL-STD-810G Method 502.5 Procedure I	
Vibration test pursuant to MIL-STD-810G Method 514.6 Procedure I	
Shock test pursuant to MIL-STD-810G Method 516.6 Procedure I	
Cyclical damp heat test pursuant to MIL-STD-810G Method 507.5 Procedure II Aggravated Cycle	

Fully functional:
The CT-HR PTT after
testing pursuant to
EN 443





CeoTronics AG

Audio · Video · Data Communication

Adam-Opel-Str. 6

63322 Rödermark (Germany)

Tel.: +49 6074 8751-0

Fax: +49 6074 8751-265

E-Mail: sales@ceotronics.com

Web: www.ceotronics.com

