



## PT310

TETRA handheld radio



### For entering the world of TETRA radio

The PT310 always stands up to the harshest environment and provides exceptional performances. A very-easy to handle and intuitive TETRA handheld radio which delivers superb audio quality no matter the working environment. With its simple UI the PT310 provides users less distraction during voice communication to help with operational efficiency.

### Ultra-clear Audio Quality

With water-porting technology, any water that gets into the speaker cavity is drained out easily, ensuring audio clarity is maintained. Coupled with this is a patented microphone aperture design, which prevents any wind noise interfering with transmissions.

### Rugged design

Considering harsh outdoor or industrial areas, the PT310 with protection against dust and moisture according to IP68 as well as robustness in line with MIL-STD 810G is perfectly suited to any severe environment.

### Simple and Easy Operation

Thanks to its optimized keypad with larger keys, the PT310 is easier to use than other small radios. Two programmable keys can be assigned with special functions. Eyes-free operation is also possible supported by a rotary knob and voice announcement.

# Technical data PT310

## Variants

	Bluetooth	Man Down	GPS
PT310 (Basic)	No	No	No
PT310 (Specialized)	Yes	Yes	Yes

## General data

Frequency ranges	320 – 475 MHz 806 – 870 MHz
Dimensions (H x W x D) (with standard battery, without antenna)	123.5 x 55.5 x 32.5 mm
Weight (with standard battery and antenna)	265 g
Operating voltage	3.85 V
Battery (li-polymer battery)	3800 mAh
Battery service life (5/5/90 duty cycle)	> 22 hours (standard battery)

## User interface

Keys	<ul style="list-style-type: none"> <li>▪ two configurable feature-activation side keys</li> <li>▪ dual-color PTT</li> <li>▪ emergency key</li> <li>▪ volume control &amp; group selector</li> </ul>
Call group number – TMO	80
Call group number – DMO	80
Folder	5

## Environmental conditions

Operating temperature range	- 20 °C to + 60 °C (performance limited: -30°C to +70°C)
Storage temperature range	- 40 °C to + 85 °C
Relative humidity	ETS 300 019 (95 %)
Protection against dust and moisture	IEC60529, IP65, IP66, IP67, IP68
Shock and vibration resistance	MIL-STD-810 G, ETS 300 019-1-7 5M3, GJB150A

## Radio characteristics

Channel spacing	25 kHz
Transmitting power	1.8 W
Transmitting power accuracy	±2 dB
Receiver class	ETSI EN 392-2/396-2 class A & class B
Static receiver sensitivity	-116 dBm (typically -118 dBm)
Dynamic receiver sensitivity	-107 dBm (typically -109 dBm)

## GPS

GPS accuracy	≤ 2.5 m, CEP, 50%
Sensitivity	≤ -142 dBm receiving sensitivity ≤ -162 dBm signal tracking sensitivity
Time to first fix (TTFF)	< 30 seconds (cold start) < 1 seconds (warm start)

## Connectivity

Bluetooth support	for voice & data
USB support	for data

All technical information was determined at the factory and in accordance with the corresponding standards. Subject to change on the basis of continuous development.



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