

Airping

Medium Frequency – Deck Test Unit

Airping is a Deck Test Unit (DTU) operating in the Medium Frequency band. This device allows an operator of Exail transponders to make sure that equipment work properly prior to deployment at sea. Airping use radio waves to transmit all kind of interrogation positioning signals to Exail Canopus, MT9x2 and MTBx2 transponder series. The acoustic responses are processed by the DTU to confirm the correct configuration and functioning of beacons.



FEATURES

- Fully compatible with Canopus, MT9x2 & MTBx2 transponder series
- Medium frequency band (19,5 to 30 kHz)
- Communication range: 5 cm
- Transmit/Receive signals:
 - Tonal frequencies
 - MFSK2 wideband chirps
 - CHORUS QPSK wideband chirps
- Compact and rugged design
- ABS plastic body
- 2 off Li-Ion 3.6 V / 2,600 mAh rechargeable batteries
- USB-C connector for battery recharge and firmware update
- Seven (7) hours of autonomy in standard operating mode
- Backlighting hi-definition screen
- Free of export

TECHNICAL SPECIFICATIONS

General

Ordering part number	00172020
Drawing number	00229599
Operating temperature	0 °C to +60 °C (limited to +45 °C during battery recharge)
Storage temperature	-40 °C to +70 °C (without batteries) -20 °C to +25 °C (one-year max storage duration with batteries)
Protection rating	IP67
Shipping	Pelicans case box: 48 x 37 x 18 cm ; gross weight: 5 kg

Electrical

Frequency band	19.5 to 30 kHz
Receiving signals	Tonal frequencies from 19.5 to 30.0 kHz MFSK2 wideband chirps CHORUS wideband chirps
Transmitting signals	Tonal frequencies from 19.5 to 21.0 kHz MFSK2 wideband chirp CHORUS wideband chirp
Internal battery	2 Li-Ion rechargeable cells (3.6 V ; 2,600 mAh)
Operating life	7 hours (including about 200 communication tests)
Interface connector	USB-C for battery recharge and firmware update
External charger	5 V / 3 A

Mechanical

Construction	ABS plastic case
Weight	550 grams
Size (Length x Width x Height)	191 x 126 x 33 mm

Mechanical drawing

