TELEM07- Datalink

Overview

The TELEM07 is a radio datalink compatible with all UAV Navigation (UAVN) autopilots (AP).

Three models are available as shown:

- **TELEM07-FR900:** 900MHz datalink. TELEM05 reduced size and weight version.
- **TELEM07-MH400:** 400MHz datalink with a Microhard modem inside.
- **TELEM07-MH900:** 900MHz datalink with a Microhard modem inside.

The TELEM07 is supplied in a rugged, impact-resistant metal case and comes with the following accessories :

- SMA to SMA coax cable.
- 1/2 Telemetry Radio antenna (for GCS use) or 1/4 Telemetry Radio antenna (for UAV use).

Technical Specifications

TELEM07-FR900	
Power supply required	9 - 36 V
Transmitter Power Output	1 W
Power Consumption	Peak: 6.5W
Data interface	RS-232: 115,200 bit/s*
Frequency range	902 - 928 Mhz (FHSS)
Environmental	Temperature range: -40 to +85ºC Humidity: 5-95%, non condensing
Dimensions (mm, H x W x L, box with connectors, length less mounting lugs)	22 x 43 x 102
Weight	95g
System Connector (on box)	BINDER 09 3423 82 06
Mating Connector (on cable)	BINDER 77 3406 0000 50006-0200
Radio Antenna Connector	SMA Female
Range	60 miles (100 km)**
TELEM07-MH900 / TELEM07-MH400	
Power supply required	9 - 36 V
Transmitter Power Output	1 W
Power Consumption	Sleep: <3.3mW Idle: 66mW Rx: 150 to 325mW Tx Peak: 6.6W
Data interface	Serial: 300 bps to 230 kbps*
Frequency range	TELEM07-MH900: 902 - 928 Mhz (FHSS) TELEM07-MH400: 410 - 480 Mhz (FHSS)
Environmental	Temperature range: -40 to +85ºC Humidity: 5-95%, non condensing
Dimensions (mm, H x W x L, box with connectors, length less mounting lugs)	22 x 43 x 102
Weight	77g
System Connector (on box)	BINDER 09 3423 82 06
Mating Connector (on cable)	BINDER 77 3406 0000 50006-0200
Radio Antenna Connector	SMA Female
Range	60 miles (100 km)**

* Configurable
** Figure quoted is the maximum Line Of Sight (LOS) range achievable using the correct antenna setup (including appropriate installation, high quality cabling, ground plane etc.).

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