

Ogier Electronics Limited

Telemetry Radio Transmitter

The Ogier Telemetry Radio Transmitter is a Radio Data Modem with on-board telemetry interfaces. It is supplied in a robust, environmentally sealed housing.

Features:

- High performance narrow band radio link
- 500mW output power
- RS232 or RS422 interfaces
- Licence exempt operation at 458MHz (UK) or 868MHz (EU).
- Other VHF/UHF frequencies available.

Outline Specification

Inputs	Telemetry (cable gland) Power (cable gland)
Outputs	RF Transmit Signal (N-type female 50ohm)
Frequency range	100 - 868 MHz (depending on RF module used)
Number of channels	A number of user selectable frequencies are available
Channel spacing	Typically 25 or 12.5 kHz
Output Power	to 0.5W
Baud Rate Data Input/Output	4800, 9600 baud
Data Interface	Simplex RS232 or RS422
Number of data bits	7 or 8
Parity	Odd, Even or None
Operating temperature	-10°C to +50°C
Housing	Polycarbonate
Environmental Sealing	IP66
Size	Approximately 22 x 15 x 18cm
Power Supply	12V DC
Current drain	Up to 1A

Note: Although the unit is sealed to IP66 we do not recommend it for outdoor installation at sites where significant solar radiation is possible.