



TS-D200



The TS-D200 range of 5W UHF and VHF modems provide global solutions opening up a world of opportunity to your voice or data application or M2M service.

Designed to be small and compact the TS-D200 range offers great flexibility wherever wireless data or voice communication is needed.

The modems are:

- Environmentally tested to resist water and dust ingress
- CE certified and E marked for Vehicle use
- Low current consumption with controllable sleep command
- Low maintenance with full service support

The TS-D200 is ideal for wireless applications requiring simplicity and low cost e.g. M2M interrogation, simple remote switching, alarm signalling and gate entry systems. The TS-D200 makes an ideal primary or fallback bearer for your communication needs.

Mobile Expertise Global Ltd prides itself on a reputation for product quality, design and performance. We make customer service a top priority and offer easy access to technical help and provide helpful and friendly service at every stage.

Compact and rugged die-cast housing.

Point-to-Point network free communication.

1 - 5W transmit power.

Programmable up to 16 channels.

Direct FM, TTL & POCSAG.

Voice.

Enhanced Power Save.

CTCSS/DCS (with FFSK & voice only).

RSSI level output.

9600bps GMSK, 4800pbs FFSK and 1200bps Bell202/V23 module options

PC programmable

TS-D200

General

Performance Specification: (RED2014/53/EU)	EN60950-1:2006+A2:2013 EN 62311:2008 EN 301 489-5 V2.2.0 E11 024663 / e11 034663	EN 62368-1:2014 EN 301 489-1 V2.2.0 EN 300 113 V2.2.1(2016-12)
Frequency range:	me-d200 VHF: 146 - 174 MHz me-d200 UHF: 400 - 440 MHz me-d200 UHF: 440 - 480 MHz Full switching bandwidth	
Number of channels:	16 channels, dip switch or serial command selectable	
Channel spacing:	12.5kHz, 20kHz or 25kHz all programmable	
Operation:	Half Duplex	
PLL step:	5.0 / 6.25kHz	
Antenna impedance:	50 Ohm	
Antenna connector:	BNC (female)	
Weight:	260g	
Mounting:	Four M3.5 holes	
Interfaces:	15 pin d-type (female)	

Electrical

Power supply:	12V dc nominal (+9V to +18V rated)
Current consumption:	1.5A @ 5W, 0.5A @ 1W 7mA Enhanced power save mode (sleep)

Transmitter

RF output power:	1W - 5W programmable (high/low)		
Audio sensitivity (voice):	6 - 8 mV rms @ 60% peak deviation		
Data inputs:	100 - 120 mV rms (external modulation) TTL (POCSAG) levels 350mV rms (unfiltered external modulation) RS232 levels (with GMSK or FFSK modem fitted)		
Modulation:	Direct FM (FSK) F3E (F1D)	FFSK / GMSK (option) F2D /& F1D	PM (voice) G3E

Receiver

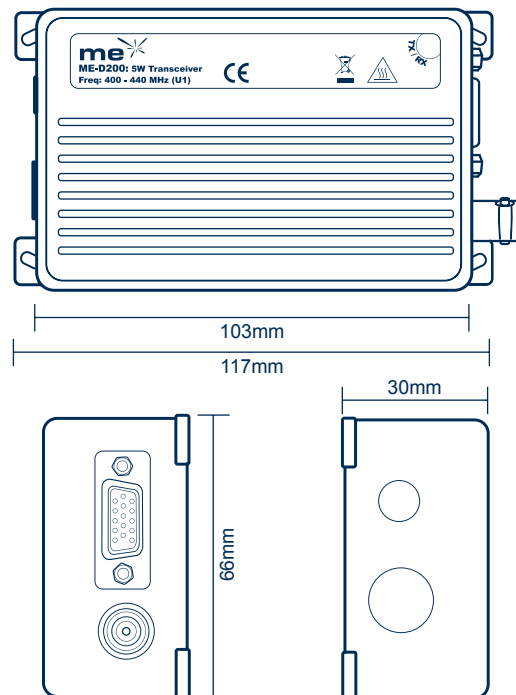
Receiver sensitivity	voice:	12dB SINAD UHF: Better than 0.35µV or -116dBm VHF: Better than 0.28µV or -118dBm
	data:	UHF: Better than 5.00µV or -113dBm VHF: Better than 3.97µV or -115dBm
Receiver sensitivity	(GMSK): (FFSK):	-113dBm <1% BER (9600 at 25kHz channel spacing) -113dBm <1% BER (2400 at 25kHz channel spacing)
Audio output (speaker):	1V rms @ 8 ohms	
Data output:	200 - 300mV rms	
GMSK/FFSK Modem output:	RS232 levels	

Environmental

Operating temperature:	-30 deg C to +60 deg C
Storage temperature:	-40 deg C to +85 deg C
Enclosure:	IP54 rated

Customization Options

PC programmer	Own Branding with Logo and desktop Icon
Mobile Expertise Global Ltd can offer a range of customization and OEM options on request	



Specifications are subject to change without notice and range will vary depending on the topography and the surrounding environment. Figures above are typical and measured under normal operating conditions. As such they will not form part of any contract. Our policy is one of continuous improvement and we reserve the right to change product specifications without notice.



Vehicle certified

FCC and Canadian Approved



ISO9001:2008 QS assured design and manufacture

Service support

Technical help

Accessories



Customized option and OEM

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Dealer