



me-d400gps me-d400



The new me-d400 Mobitex* modem for mission critical data applications.

The me-d400 is the only 10 Watt Mobitex device currently available in Europe. The new improved me-d400 provides a more efficient RF design that offers a flexible wideband 405Mhz to 465MHz platform with direct RS232 interfacing. Simplified accessories, ignition sense and integral GPS options ensure greater choice and improved control.

This unique 0.1-10 watt device offers rugged construction ideal for mobile environments such as vehicle fleets. It is also well suited to remote and varied locations, where communication of critical data is an essential part of business and where an integral GPS can provide accurate vehicle or mobile asset tracking and security.

The me-d400 comes with in-built safety protection systems and compliance to the latest vehicle electrical disturbance and electromagnetic interference standards. Most significant is an all new rugged enclosure to safely house and protect the delicate electronics.

*Mobitex is a packet switched data transmission system, which gives high reliability and security of data transmission for a wide range of markets, from M2M to fleet management.

Wide-band 405 to 465MHz.

Full 10 Watts (0.1 - 10W).

Reverse polarity protection.

Conforms to R14N Mobitex Standard.

Standard 9-pin RS232 port and 25-pin DM200 interface.

MiniApp2 functionality.

Internal GPS option with ignition sense.

Ideal replacement for DM200.

Meets ISO7637.

Fully CE and VCA approved.

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General

Performance specification:	R&TTE Directive 1999/5/EC ETSI EN 300-113-2 ETSI EN 300-489-5 ISO 7637-1	BS EN 60950-1 BS EN 50371 MIS 8KR14N Vehicle Directive 95/54/EC
Frequency range:	405 to 465MHz Transmit and Receive	
Channel spacing:	12.5KHz	
RF output:	10W max. +/-2dB	
Modulation:	Modified GMSK F1D	
Antenna connector:	TNC female; 50 ohm	
Weight:	495g	
Mounting:	By four M4 clearance holes in base tabs of unit.	
Interfaces:	DC, RS232 by 9 pin D-type, Data input / output by 25 way D-type, RF by TNC female, Optional GPS by SMA female	

Electrical

Power supply:	12VDC nominal, 10.8VDC minimum, 15.6VDC maximum
Current consumption:	TX 2.6A at 10W output, 1.8A at 5W, 0.9A at 1W RX 180mA RS232 9 pin D-Type (230mA using 25way D-Type) Values based on 12V

Transmitter

Carrier power:	0.1 - 10W software controlled
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Receiver

Sensitivity (1 in 100 bit error rate):	<-113dBm (nominal) , <-110dBm (extreme)
Channel switching time:	<30mS
RSSI / Signal strength indication:	-113dBm to -63dBm

Environmental

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

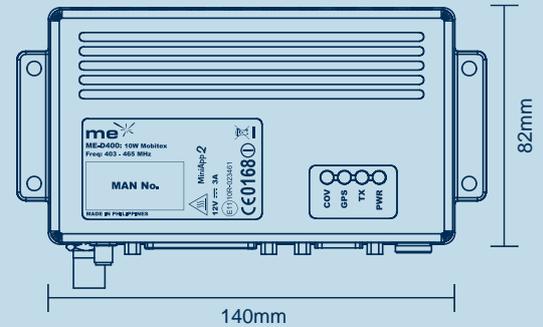
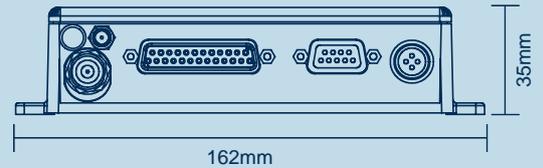


Diagram shows me-d400 gps

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.



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