Military system

The SR20_MIL is specifically designed for deployment in demanding field operations. Its core strength lies in its integration within a lightweight, ruggedized case, ensuring maximum portability without compromising durability.
The SR20_MIL is a tactical system engineered for field mission critical reliability.

Features

Tactical Resilience and field autonomy:

- Fully compliant with MIL-STD-810 & MIL-STD-461 standards.
- Built to perform in temperatures from -40°C to +55°C with an IP66 rating.
- The entire system is powered by the PC's battery. Its low power consumption allows for completely autonomous operation throughout the day.
- Ultra-compact and lightweight for maximum portability.
- Designed for rapid deployment and intuitive use on the field.
- Operable by a single person , fully mission-ready in under 15 minutes.

Furtivity:

- Remaining undetected is vital, our Low Probability of Detection (LPD) technology ensures secure data acquisition without revealing your position with radiosonde M20_F silence.
- GNSS interference resilience ensure secure operations in contested environments.

Scalable Performance:

- Available in single or multi-sounding configurations, supporting up to 4 simultaneous soundings.

Data transmission:

- Automatic data transmission on the network.
- Real time sounding display.
- Stanag and WMO format messages edition.

MOC:

- Features the «plug-and-play» SR20 receiver and infrared device hub for fast and simplified maintenance.

MADE IN FRANCE

Meteomodem – Rue de Bessonville – 77760 URY, France
Tel : +33(0) 1.60.74.74.60
www.meteomodem.com

CE

MODEM
Meteomodem.com

Military system

Technical specifications

Characteristics

Dimensions	409*331*175 mm
Weight	8 kg (laptop included)
Color	Standard : Green On demand : Sand and black

Technical specifications

Internal barometer	500-1100 hPa ±0.3 hPa (k = 2)
Power supply	USB Only : 5V 500 mA USB C - SR20 to computer
Antennas connection	Push-Pull connectors
Receiver frequency	400 - 406 MHz
Range	Up to 350 km with Omnidirectional antenna Up to 50 km with mobile antenna
Modulation	FSK
Frequency change	Infrared device integrated
Multisounding	Up to 4 simultaneous radiosondes (in option)
Standard	MIL-STD-810 & MIL-STD-461

System components

Necessary equipment:

Ground receiver	SR20_MIL
Computer	Ruggedized with Windows OS
Software	Eoscan_CM, Eoscan or Pilot-sonde
Antenna	Omnidirectionnal antenna Mobile antenna
Tripod	For Omnidirectionnal antenna

Operating environment

Operating temperature	-40°C to +55 °C
Storage temperature	-40°C to +85°C
IP rating	IP66

Meteorological messages

STANAG	METCM 4082; METB2/3 4061; METCFL; METTA 4140; METK3; METFM 2103, MET11, MET44; METSR; EACMM
TEMP	FM35; SHIP FM36; MOBIL FM38; DROP FM37; CLIMAT FM75
PILOT	FM32; SHIP FM33; MOBIL FM34
BUFR	309052; DROP 309053; PILOT PRESSURE 309050; PILOT Height 309051; DROP 309056; 309057

Transmission

Type	(S)FTP; E-mail; Sockets; RS232; Copy files, TCP/IP

Compatibility

Radiosounding	M20, M20_F, M10
Pilotsounding	PS20
Dropsounding	DS20

MADE IN FRANCE

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