SR10_M

The main function of the **SR10_M** radiosounding station consists in the acquisition of PTU and wind mesurements, transmitted from our radiosonde by radio telemetry.
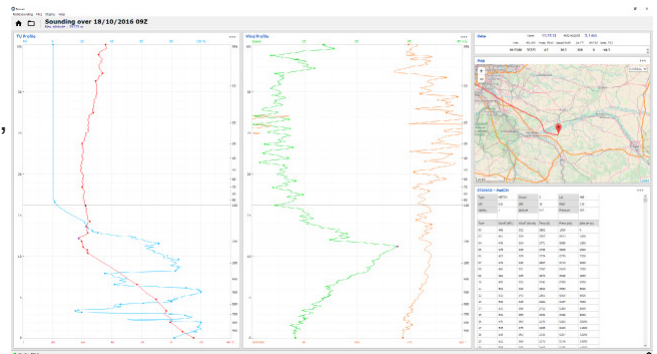
The particularity of this mobile station is its integration in a light and robust case. The system, which can operate in 12/24V or autonomously, is controlled by a robust laptop for an optimal experience during field campaigns.
Complies with MIL-STD-810G.

The SR10_M consists of:

- A receiver integrated in a ruggedized case.
- An internal rechargeable battery offering 6 hours of autonomy.
- Externals connections (antenna, USB, power supply) to operate without opening the case.
- A radio antenna for data reception from the radiosonde.
- A processing ruggedized computer running our sounding software Eoscan.

Eoscan sounding software allows:

- Radiosonde preparation.
- Real time sounding display.
- STANAG format messages edition (METCM-4082, METB2/3-4061, METCFL, METTA-4140, METK3-4082, METFM-2103, MET11, MET44, METSR, EACMM).
- WMO format messages edition (TEMP, PILOT, BUFR, CLIMAT TEMP...).
- Automatic data transmission on the network (TCP/IP).
- Former soundings replay.
- Electronics diagnosis display for facilitated maintenance.

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Technical specifications

GENERAL	
Dimension	520x435x230 mm
Weight	16.4 kg (including accessories)
Power supply	Power adapter 100-240 V/AC / 12V/DC Cigarette lighter 10-30 V
Battery autonomy	> 6 hours
Connections	USB for PC Type N for antenna 400 Mhz Power adapter
PC	Ruggedized Laptop (Windows & Eoscan software)
Antenna and tripod ruggedized case	
Dimensions	1998x419x234 mm
Weight	14.6 kg

TELEMETRY	
Frequency range	400 - 406 MHz
Modulation	FSK
Range	350 km

COMPATIBILITY SYSTEM	
Radiosonde	M20 / PS20 / DS20
Infrared device	M20 / PS20 / DS20

The SR10_M_GS complete system included :

SR10_M receiver
Includes cables power supply, cigarette lighter, USB and antenna.

Antenna and tripod suitcase

Infrared device

Robust laptop

Inflation kit

Tripod with antenna

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231116

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