

MS-3/D1

Weather station

MS-3/D1 is a digital weather station, designed to be mounted on a vehicle, with the purpose of providing the user with accurate data related to atmospheric conditions. The sensor is used for measuring the direction and velocity of wind, atmospheric pressure, air temperature and relative air humidity, giving output necessary for various ballistic calculations.

Technical characteristics:

• Wind speed	0-40 m/s
• Wind speed accuracy	±10%,
• Wind speed resolution	0.1 m/s
• Wind direction	0-360°
• Wind direction accuracy	±5°
• Wind direction resolution	1°
• Air temperature	-35°C - +65°C
• Air temperature accuracy	±4°
• Temperature resolution	0.1°C
• Absolute atmospheric pressure	400-1100 mBar
• Pressure accuracy	±3 mBar
• Pressure resolution	1 mBar
• Relative air humidity	0-100% RH
• Humidity accuracy	±3% RH
• Humidity resolution	1% RH
• Power	18-40 VDC
• Power consumption	5-19 W, 200-800 mA @24 VDC
• Operating temperature	-35°C - +65°C
• Start-up time	<40 s
• Interface	RS 485
• Maximal data cable length	1500 mm
• Transmission interval	1 s or 100 ms
• Protocol	NMEA; BYT
• Connector	Souriau 85107A12-10P50
• Height	182 mm
• Base diameter	50 mm
• Head diameter	73 mm
• Weight	0,5 kg

