



Weather Station C4IMS-3/D1

C4IMS-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	Power	18-40 VDC
Wind speed accuracy	± 10%	Power consumption	5-19 W, 200-800 mA @24 VDC
Wind speed resolution	0,1 m/s	Operating temperature	-35°C - +65°C
Wind direction	0-360°	Start-up time	< 40 s
Wind direction accuracy	± 5°	Interface	RS 485
Wind direction resolution	1°	Maximal data cable length	1500 mm
Air temperature	-35°C - +65°C	Transmission interval	1 s or 100 ms
Air temperature accuracy	± 4°C	Protocol	NMEA; BYT
Temperature resolution	0,1°C	Connector	Souriau 85107A12-10P50
Absolute atmospheric pressure	400-1100 mBar	Height	182 mm
Pressure accuracy	± 3 mBar	Base diameter	50 mm
Pressure resolution	1 mBar	Head diameter	73 mm
Relative air humidity	0-100% RH	Weight	0,5 kg
Humidity accuracy	± 3% RH		
Humidity resolution	1% RH		