



DATAEAGLE CONDITION MONITORING SYSTEM FIELDBUS

Overview



o GENERAL

Item number - Basic Package (scope of delivery)	Select fieldbus variant
Price Basic Package	1.590,00 € (Excl. VAT)

o SCOPE OF DELIVERY

Multi-sensor CISS	Item no. 11710 • Sensor with USB 2.0 cable
Sensor power supply	Item no. 11711 • USB 2.0, 5 V to 12/24 V
	Item no. 11712 • USB 2.0, 5 V to 230 V
IoT-Gateway DATAEAGLE 2730	Item no. 11179_ETH • 11179_DP • 11179_CO
Bluetooth antenna	Item no. 10926 • 2,4 GHz omni antenna
Antenna cable	Item no. 10279 • 2 m antenna cable SMA - SMA

o VARIANT FIELDBUS AND ORDER CODE

PROFINET	Item no. 11730_PN
PROFIBUS	Item no. 11728_DP
EtherCAT	Item no. 11731_EC
Ethernet/IP	Item no. 11732_EIP
Modbus TCP	Item no. 11733_MBTCP
ETHERNET POWERLINK	Item no. 11734_POWERLINK
VARAN	Item no. 11735_VARAN
sercos	Item no. 11736_SERCOS
CAN / CANopen	Item no. 11737_CO



DATAEAGLE COMPACT 2730 FIELDBUS

Technical data



o GENERAL

Voltage supply	24 V DC
Connection voltage supply	Terminal clamps
Power consumption	200 mA
Fixing	DIN rail mounting
Protection class	IP20
Temperature range	-20...+60 °C
Conformity	CE, FCC
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth (Bluetooth 4.2)
Transmitting power	4 dBm
Range	Up to 70 m

o INTERFACE Ethernet

Interface	RJ 45
2-fach Switch	Yes
Fieldbus	EtherCAT
	Ethernet/IP
	Modbus TCP
	ETHERNET POWERLINK
	PROFINET
	VARAN
	sercos

o INTERFACE serial

Interface	9 pol. SUB-D
Fieldbus	PROFIBUS
	CANopen

MULTISENSOR CISS

Technical data



o GENERAL

Voltage supply	5 V
Connection voltage supply	CISS (4way 1.2 SealStar FA Connector 805-122-541) to USB 2.0
Fixing	Direct mounting (with screws)
Protection class	IP54
Temperature range	-20...+80 °C
Humidity range	10 – 90 % relative humidity (non-condensing)
Pressure range	300 – 1100 hPa
Conformity	CE
Weight	34 g (55 g incl. Fastening set)
Width	80 mm
Height	53,2 mm
Depth	23,3 mm
Color	Black

o RADIO TECHNOLOGY

Frequency	2,4 GHz Bluetooth (Bluetooth 4.2)
Transmitting power	3 dBm
Range	Up to 50 m

o SENSORS

	MEASUREMENT RANGE	ACCURACY	RESOLUTION
Accelerometer	± 2, 4, 8, 16 g (16 bit)	± 50 mg	1 mg (± 2, 4, 8, 16 g)
Gyroscope	± 2000 °/s	± 1 °/s	± 1 °/s
Magnetometer	± 1300 µT (x,y-axis); ± 2500 µT (z-axis)	0.06 × M ± 25 µT (M= real magnetic field)	1.0 µT
Temperature	-20...+80 °C	Max. ± 2 °C + 3% T °C	0.1 °C
Humidity	20 – 90 % r.H. (non-condensing)	Max. ± 7% at +20 °C Max. ±10% at -20 °C	0.01 % relative humidity (r.H.)
Pressure	300 – 1100 hPa	± 1.5 hPa (at +25 °C and 40 % rel. humidity)	0.01 hPa
Light	0 – 2112800 Lux	± 15 % (at 538 nm wavelength, +25° C ambient temp.)	1 Lux
Microphone	± 3 dB, 60 Hz – 12.5 kHz	62 dB	± 2dB (at -38 dB)
Sampling Rate	1 Hz		