



# DATAEAGLE CONDITION MONITORING SYSTEM LOCAL DASHBOARD

## Overview



### o GENERAL

Item number - Basic Package (scope of delivery)	Art. 11739_LD
Prize	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 5V to 12/24V
	Item no. 11712 • USB 2.0 5V to 230 V
IoT-Gateway DATAEAGLE 2730	Item no. 11179_ETH
Bluetooth antenna	Item no. 10926 • 2,4 GHz omni antenna
Antenna cable	Item no. 10279 • 2m antenna cable SMA - SMA
Realt-time Dashboard (Node-RED)	Item no. 12008



# DATAEAGLE COMPACT 2730 LOCAL DASHBOARD

## 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, IC
Weight	130 g
Width	22,5 mm
Height	99 mm
Depth	114,5 mm
Color	Black

### o RADIO TECHNOLOGY

2,4 GHz Bluetooth (Bluetooth 5.0)	2,4 GHz Bluetooth (Bluetooth 5.0)
Transmitting power	8 dBm
Range	up to 70m

### o INTERFACE Ethernet

Interface	RJ 45
2-port Switch	No

### o INTERFACE Software

Operating System	Raspberry Pi OS
Software	Node-RED-Dashboard

# 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);	0.06 × M ± 25 µT	1.0 µT
	± 2500 µT (z-axis)	(M= real magnetic field)	
Temperature	-20...+80 °C	Max. ± 2 °C + 3% T °C	0.1 °C
Humidity	20 – 90 % r.H.	Max. ± 7% at +20 °C	0.01 % relative humidity (r.H.)
	(non-condensing)	Max. ±10% at -20 °C	
Pressure	300 – 1100 hPa	± 1.5 hPa (at +25 °C and	0.01 hPa
		40 % rel. humidity)	
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		



# LOKALES DASHBOARD

Technical data



## o GENERAL

Software Interface	Node-RED
Interface	Raspberry Pi Compute Module
Data processing/alerting	Adjustable via Node-RED
Reporting	Pdf and xml export
Real-time data	Yes, update max. 100ms
Historical data	No