



DATAEAGLE CONDITION MONITORING SYSTEM

Overview



o GENERAL

Item number - Basic Package (scope of delivery)	Item no. 11720
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 • With Cloud option item no. 12007
Bluetooth antenna	Item no. 10926 • 2,4 GHz omni antenna
Antenna cable	Item no. 10279 • 2m antenna cable SMA - SMA
3G antenna	Item no. 10549-SMA • GSM-omni antenna incl. cable
DATAEAGLE Portal Dashboard	Item no. 17603 • Ready-to-use Dashboard with 1 user

o MONITORING-PACKAGE 1: HOUR

Transmission intervall Cloud	1 x per hour
Record intervall sensor values	1 x every minute
Order code	Item no. 11721
Price per month	45,00 € (Excl. VAT)

o MONITORING-PACKAGE 2: 4 HOURS

Transmission intervall Cloud	6 x per day (every 4 hours)
Record intervall sensor values	1 x every 15 minutes
Order code	Item no. 11722
Price per month	30,00 € (Excl. VAT)

o MONITORING-PACKAGE 3: DAY

Transmission intervall Cloud	1 x per day
Record intervall sensor values	1 x every 15 minutes
Order code	Item no. 11723
Price per month	15,00 € (Excl. VAT)

o MONITORING-PACKAGE 3: ALERT

Transmission intervall Cloud	1 x per week and alert
Record intervall sensor values	1 x every 15 minutes
Order code	Item no. 11724
Price per month	20,00 € (Excl. VAT)

Billing per year and in advance.

The monitoring packages can be switched by end of every month.



DATAEAGLE COMPACT 2730 CLOUD

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
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 5.0)
Transmitting power	8 dBm
Range	Up to 50 m
3G World	2G 850 MHz / 900MHz / 1800 MHz / 1900 MHz; UMTS B1, B2, B5, B6, B8, B19
4G EU	4G 2100 MHz / 1800 MHz / 2600MHz / 900MHz / 800 MHz / UMTS B2 / B9
	2G 1800 MHz / 900 MHz
4G US	4G 1900 MHz, AWS 1700 MHz, 850 MHz, 700 MHz
eSIM-Card	eSIM-Card with worldwide connectivity and Unsteered Roaming

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 50m

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		

DATAEAGLE PORTAL

portal.dataeagle.de



o GENERAL

Cloud URL	www.portal.dataeagle.de
Place of Server	Europe
Max. number of Users	5 User / Dashboard
Reporting	Pdf and xml-Export
Historic Data	Unlimited storage
Alerting	Configurable
Interface (optional)	RESTful API

