

REMOTE MONITORING UNIT

IDEAL USAGE

This unit is added to our Measurement & Control portfolio when remote monitoring is required and is combined with our Junction Barrier Box for the right power supply and data conversion.

APPLICATIONS

- This Remote Monitoring Unit is regularly used when a remote insight is required for actual or remaining tank volumes.
- Has the ability to send data into a web based platform with the possibility to inform user when a top up of proces liquids is needed.
- Used to redirect vac trucks to a Containment product with sufficient remaining volume.



TECHNICAL SPECIFICATIONS

Operating voltage:	9.6 ... 32 V DC (supplied by Junction Barrier Box)
Scope:	Europe
Transmission Standard:	GSM / GPRS / UMTS
Housing:	Plastic double chamber
Housing Protection:	IP66
Cable Entry / Connection:	1x Male & 1x Female connector to receive both power and data from our Junction Barrier Box
Mounting / Material:	Can be mounted to steel surface by integrated magnets
Antenna:	Mounted outside on the housing

POWER CONSUMPTION (VIA JUNCTION BARRIER BOX)

Power saving mode (24 V/32 V):	1.8 mW / 3.7 mW
Permanent operation:	1.1 W
Peak power (measured value transmission):	11 W

SENSOR POWER SUPPLY (TO OUR EX RADAR LEVEL SENSOR)

Off-load voltage:	24 V with Ex version
Max. current:	26 mA with Ex version

SENSOR INPUT

Number of sensors:	Up to 5 x with Ex version
Terminal voltage:	Approx. 14 V with 5 sensors (20 mA)
• Ex-version	
Current limitation:	26 mA with Ex

AMBIENT CONDITIONS

Ambient temperature:	-25 ... +60 °C (-13 ... +140 °F)
-----------------------------	----------------------------------

ELECTRICAL PROTECTIVE MEASURES

Protecting rating:	IP66
Pollution degree:	4
Protection rating (IEC 61010-1)	II

BLUETOOTH

Bluetooth standard:	Buetooth Smart (Bluetooth LE)
Max. participants:	1
Max. effective range:	approx. 25 m (82 ft)

MOBILE NETWORK

SIM card slot	Mini-SIM (25 x 15 mm)
Radio frequency	UMTS multi band GSM (850/900/1800/1900 MHz)

BENEFITS

- Economical solution for the measured data enquiry
- World-wide use through multi band technology

APPROVAL

For Ex-free area

