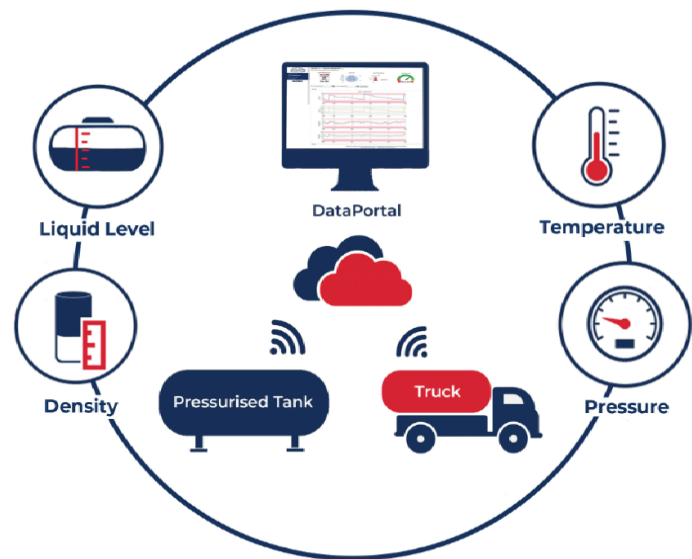# ROTOHUB

IoT Device for Tank Monitoring In Hazardous Areas.

Heavy Duty   Hazardous Area Certified   Simple to Install

FUNCTION

The RotoHub is a robust Hazardous Area Certified device that seamlessly connects and communicates to tank sensors via a Modbus Protocol and securely transmits the data to our data portal using global cellular communications.

APPLICATION AREA

- Industrial
- Chemical
- Oil and Gas

YOUR BENEFIT

- Highly robust and certified product for use in a hazardous zone.
- Allows our support team to acess the status of Rototherm's instruments and provide 24/7 support.
- Receive real-time alerts and custom reports on network health and device conditions.
- Monitor IoT devices, asset performance and security with bi-directional communications.
- Automated firmware updates to enhance functionality, stay in compliance and scale your deployment.

ROTOHUB

GENERAL SPECIFICATION

Main Power:	24 VDC ± 10% (up to 1.6A depending on systems connected)
Serial Communications:	RS485 Modbus RTU (2 off)
Cellular Communications:	EMEA/Thailand/India LTE-FDD,B1/B3/B5/B7/B8/B20, WCDMA,B1/B5/B8, GSM/EDGE: B3/B8 North America LTE-FDD: B2/B4/B12, WCDMA:B2/B4/B5
GPS:	GPS/GLONASS/BeiDou
Bluetooth:	BLE
High Pressure Alarm Output:	Solid State Relay Output NO-NC,24V 170mA (Max) AC/DC
Weight:	2KG (4.5lb)
Size:	160x160x90mm(6.3"x6.3"x5.5") excluding glands
Enclosure Material:	Industrial Polyester
Operating Temperature :	-20 to 50°C / -4 to 120°F
Certification and Compliance:	EN 60950: Information technology eqiptment , Safety and General requirements for equiptment installed outdoors. EN 30148: EMC RF EN 61326: EMC Immunity Test CFR47: 2011 FCC conducted and radiated emissions
Entrees:	3x M20 Entries
Cable:	2x Pair screened 24 AWG to 18 AWG
Terminal Torque:	4.45 to 5.34in/lb (0.5 to 0.6 N-m)
Mounting:	Wall
ATEX:	⟨Ex⟩ II 3 G Ex ec IIC T4 Gc (-20°C ≤ Ta ≤ + 50°C) Baseefa19ATEX0103X ⟨Ex⟩ II 3 G Ex ec IIC T4 Gc (-20°C ≤ Ta ≤ + 50°C) BAS21UKEX0010 Ex sc IIC T4 Gc (-20°C ≤ Ta ≤ + 50°C)IECEx BAS 19.0092X
Ingress Protection:	IP56

DIMENSIONS