

BULK TEL

- Local and remote level monitoring of small cryogenic pressure vessels (vertical and horizontal)
- Integrated differential pressure transducers
- LCD display for level visualization in %
- Output signal 4-20 mA
- Level sum function available on 4-20mA output
- Powered by 4-20mA loop or battery operated with 4-20 mA loop disconnected
- Sampling rate 3 minutes with battery or real time when loop powered
- Selection of differential pressure range by push-buttons behind the front panel
- Easy, quick and inexpensive installation

Optional Telemetry functions

- Low power data transmission technology: NB-IoT or SigFox
- Remote programming by CrioSystemSupervisor platform
- Remote transmission and notification of low level alarm

Typical applications:

- Local and remote monitoring for cryogenic pressure vessels



Local and remote monitoring unit for small cryogenic pressure vessels

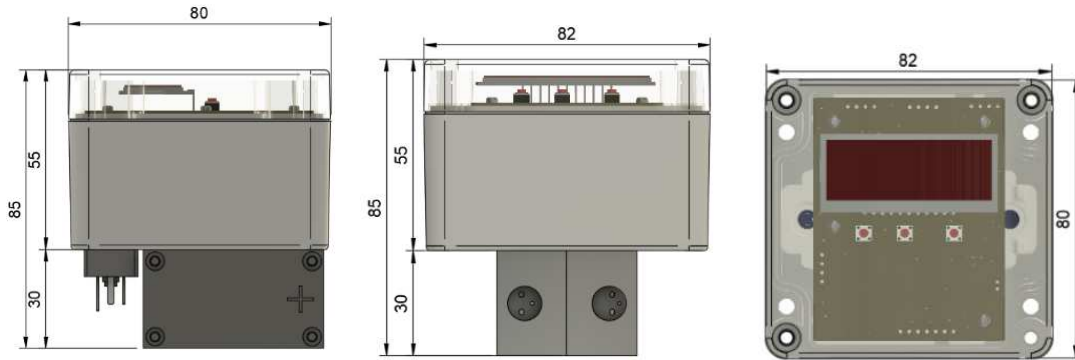
REMOTE MONITORING

TECHNICAL SPECIFICATIONS

Power supply	Integrated battery Li-ION 3.6 Ah 3,6 Vcc (life time 5 years) 12-24 Vdc 2 wires (loop powered)
Level transducer	Maximum differential pressure range: 0-200 mbar Combined error (0...50°C): $\pm 2\%$ of F.S. @ F.S. ≥ 100 mbar Maximum common mode pressure: 40 bar Differential overpressure: limited by integrated protection system
Output signal	2 wires 4...20 mA scaled over 0-100 %
Visual indications	LCD display 3 digits
Radio technology	Integrated modem NB-IoT or SigFox
Update transmission rate	Programmable 1-24/day
Pressure ports	1/8" NPT female
Housing	Tecnopolymer for electronic and aluminum for differential cell. Overall dimensions 82 x 80 x 85 mm, waterproof degree IP 67
Weight	0,5 kg
Operating Temperature	-20...60 °C
Reference directives and product standards	EMC 2014/30/EU, R&TTE 2014/53/EU, RoHS 2011/65/EU EN 61000-6-1, EN 61000-6-3 ISO 15001

CE

DIMENSIONS



dimensions in mm

PRODUCT CODES

CODE	DESCRIPTION
0001-24-001	BULKTEL 4-20: Local level monitoring system with integrated differential sensor, display LCD, output signal 4-20mA
0001-24-002	BULKTEL 4-20 NB-IoT: Local and remote level monitoring system with integrated differential sensor, display LCD, output signal 4-20mA, NB-IoT modem for remote data transmission technology
0001-24-003	BULKTEL 4-20 SigFox: Local and remote level monitoring system with integrated differential sensor, display LCD, output signal 4-20mA, SigFox modem for remote data transmission