

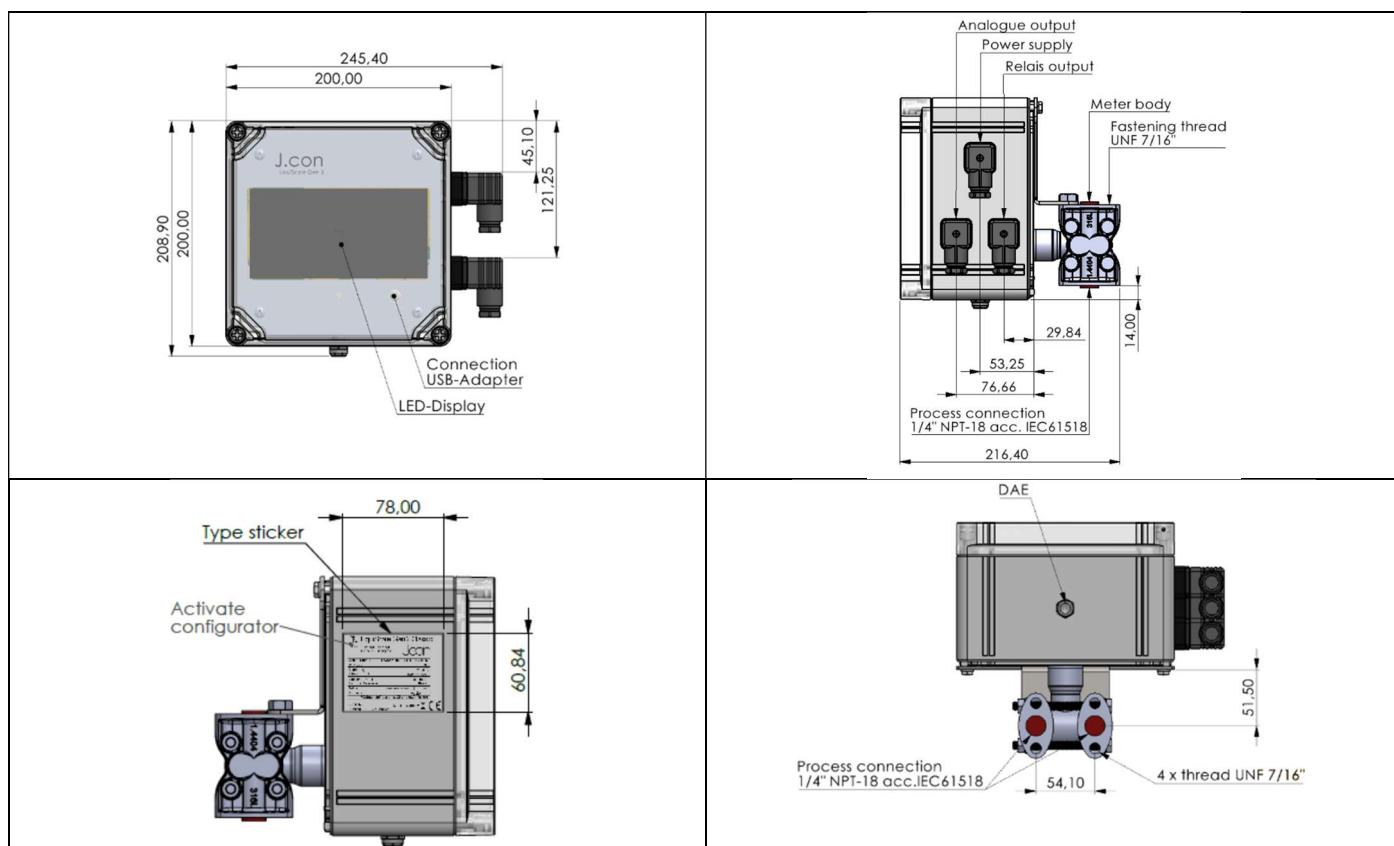
LiquiScale Gen.3

Secure Level meter for pressurized cryogenic gas tanks



- Level meter for cryogenic gas tanks
- High precision through SIL 2 differential pressure cell (drift over 10 years < 0,3%)
- Display of filling level, head/bottom pressure (configurable in kg, l, Nm³)
- Detection of critical tank situations
- LED colour display, bright with colour changes at exceedance of limit values, easily readable even at a 5m distance and in full sunlight
- Display of temperature corrected, true filling level possible
- Bidirectional communication
- Simple configuration via Wi-Fi gateway, remote through J.con tank portal
- Gaging independent of tank geometry
- Physical properties for many gases integrated usage of customer-specific geometry and density data possible.
- Suitable for oxygen as a standard
- Optional:
 - LTE connection
 - Remote access for data monitoring and configuration via J.con Tank Portal
 - Configurable analogue and relay outputs, adjustable filling marks
 - Development according to customer requirements possible

Technical data	
Measuring range	SIL 2 certified 500 mbar and 3000 mbar @ 160 bar static pressure measuring cell standard, further ranges on request
Nominal pressure / connection	0-160 bar, process connection ¼ "NPT-18
Supply voltage	10-29VDC
Materials / Protection class	Cell: 1.4404 / 316L; housing: Polycarbonate; IP65
Display	Bright LED colour display for media, head/bottom pressure and filling level, (% , l, kg, Nm ³ at 0°C@1013 mbar or 15°C@1 bar); exceedance of limit → red flashing display, bar graph for filling level, automatic brightness control according to ambient light
Language versions, measuring units	English + 8 languages; Additional languages added on request Switchable units from Metric to Imperial (UK)
Output signals (galvanically isolated)	2 x analogue 0/4-20 mA output (load resistance max. 520Ω), 1 x selectable for filling level or differential pressure, 1 x head/bottom pressure; optional 2 x relays passive (48VAC, 1A, NO or NC) for fill and notify limits (trigger points individual adjustable)
Wireless signal transmission	LTE, platform independent or with J.con Tank Portal
Dimensions	width: 245 mm, height: 209 mm, depth: 197 mm
Weight / Protection class	4,2kg / IP65
Interfaces	Wi-Fi (password protected)
Commissioning	Wi-Fi configuration (tank data, limit values...) through build-in webserver via PC/mobile/tablet, remote configuration possible
Accessories (optional)	Universal valve block adapter, power supply w or w/o battery buffer, connection cables



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