



Electro-pneumatic Tank Level Transmitter – Deck Installation with Honeywell Radar EMx40

The CT801TA-RF Electro-pneumatic Tank Level Transmitter performs remote level measurements based on the bubbler-type principle. It is powered through the Honeywell radar level EMx40 that process and transmit the output signal via its intrinsically safe field bus. The transmitter's proven reliability has made it the marine industry standard for equipment in this category, with more than 2,000 vessels already equipped.

Approved by major international classification societies, the CT801TA-RF is designed to be installed on deck. When there is a lack of air or neutral gas supply pressure (below 1 bar), its integrated and automatic non-return valve will close to avoid any liquid return back to the transmitter via the bubbling line.

For pressurized tanks, the level is the deduction of the inert gas pressure (above the liquid) to the hydrostatic pressure measured.

CT801-TA-RF - Technical Specifications

Technical Data

Output signal:	0,5 – 2,5 Vdc
Power supply:	5 Vdc
Range:	0 to 4000 mbar
Accuracy:	± 0,3% FS at 20°C
Intrinsic safety:	IECEX, ATEX. II 1 G D Ex ia IIC T6 Ga Ex ia IIIC T70°C Da IP66/67
Operating temperature:	-35°C +70°C
Protection class:	IP66/67
Bubbling flow:	10l/h (automatic regulator)
Air supply:	- 4 to 10 bar - Quality 3 - Particle size 5 microns - Pressure Dew point: -20°C - Oil content: 1mg/m3
Bubbling line connection:	1/4" NPT

Special Features

Materials:

- Head & Body: Brass.
 - Flexible hose: Stainless steel & brass fitting.
 - Bracket: Stainless steel & steel.
- Automatic:
- Overpressure valve
 - Air supply safety valve
 - Bubbling line non-return valve
 - Bubbling line cleaning
- Connections:
- Pressurized tanks.
 - Pressure level indicator.

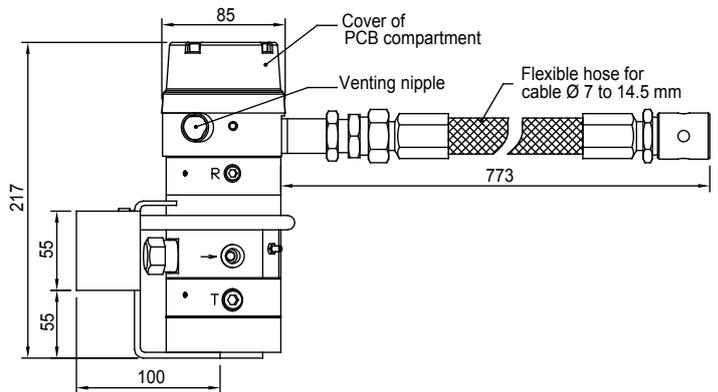
Venting nipple for **mounting on open deck**.

Bracket fixation for wall mounting (optional).

Technical Documentation

Technical manual:	MT5006
Installation manual:	MI5006
Maintenance manual:	MM5006

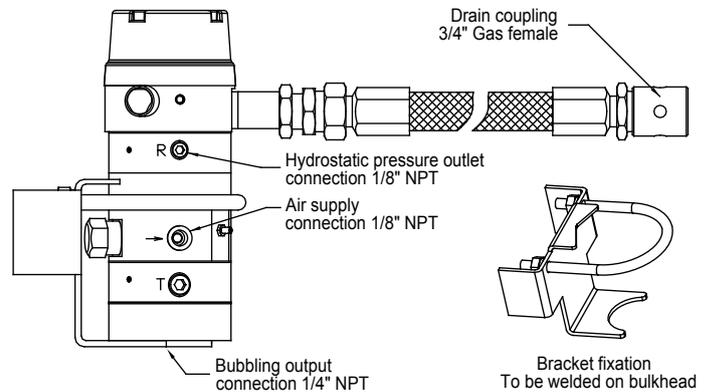
Mechanical Fittings & Dimensions



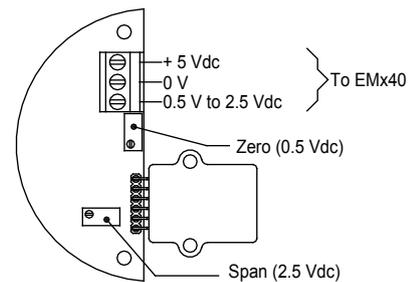
Weight : 8.2 Kg

Range to be specified 8 weeks before delivery

Mechanical Connection



Electrical Connection



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