

SAFETY INSTRUCTIONS

- Installation, commissioning and maintenance must be carried out by gualified technicians.
- The operation of the device must be in accordance with and strictly limited to the applications, as mentioned further on and on data-sheet.
- The installation and use of the devices must be done without any magnetic induction field. The device must be kept away from all metallic parts, or located at a minimum distance of 10 cm.
- Ensure compatibility of the liquid with the chemical resistance of the RTM's materials at operating pressure and temperature. •
- Reed bulbs are fragile and sensitive to shocks. It is imperative to handle the device with care.

APPLICATIONS

Continuous level measurement of liquids in containers

DESCRIPTION

- The RTM transmitter consists of a Reed chain (REED contacts connected by resistors) switching when a magnetic actuator passes in front.
- The resulting resistor value is directly in correspondence with the liquid level.
- The T2FR 5333 transmitter converts the resitor value into a 4-20 mA signal.
- The necessary magnetic field is created by the MNR 6/7, MAGTOP floats or SFA counterweight.

TECHNICAL FEATURES

Reed chain Resistance Inner ruler Potentiometric output 4-20 mA output Measuring height limits Accuracy Stem	Specific Reed contacts * x Ω /10 mm (* other onrequest) Epoxy glass ruler Résistor varies from * x Ω to 10 K Ω (by step of 1 cm) Option: Transmitter 4-20 mA, 2-wire / 13 30 V DC From 250 mm up to 1500 mm Measuring step: 10 mm PVC-U: 0 to 50 °C PPH: 5 80 °C PVDF: 0 100 °C AISI 316 L: -10 +110 °C
Housing	Or PBT-G, IP65 Or Aluminum alloy
Fig. A	 (1): Reed contact (2): Resistor (3): Float (4): Magnet (R): Housing and connexions C: Red wire 100 %: Green wire 0%: Black wire

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Reed chain level transmitter	LEV
4-03-2022 M-586.01-EN-AB	586-01
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Fig. A

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-100% 0%

MOUNTING



