TR30240 SERIES

RESISTIVE OUTPUT LEVEL TRANSMITTER
SOLID-STATE LEVEL CONTROL

DESCRIPTION

The vertically-mounted TR30240 is a reed switch type transmitter designed to provide fuel level output to gages in marine and stationary engine tank applications. Its two-wire resistive probe delivers a proportional 30-240 Ohm output with alternate resistance ranges available. Constructed in 316 stainless steel or brass materials, the TR30240 can be paired with a stainless steel or Buna-N float to accommodate various temperature and pressure needs. Additional high and low-level switch points, construction materials and probe lengths up to 120" are also possible. Custom resistance curves for linear and non-linear tanks can be provided.

TR30240

PRINCIPLE OF OPERATION

The unit contains a series of magnetic reed switches with its sealed probe. As the float travels with the media level inside the tank, its internal magnets actuate the reed switches and vary the resistance of the output.

KEY FEATURES

- Two-Wire Resistive Probe
- Probe Lengths Up to 10 Feet
- No Calibration Required
- Optional Resistive Ranges Available

ENVIRONMENTAL

- Operating Temperature: -40 to +175 °F (-40 to +80 °C)
- Storage Temperature: -50 to +180 °F (-45 to +82 °C)
- Humidity: 0 to 99%, Non-Condensing

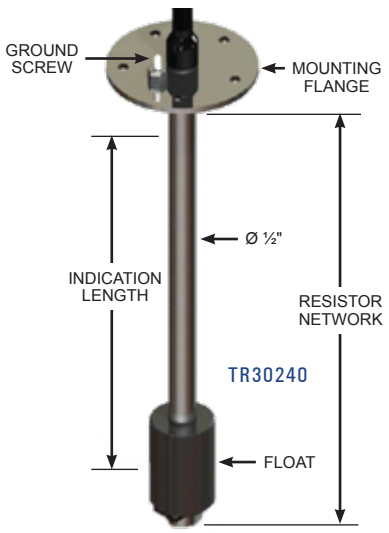
ELECTRICAL

- Input: 12 or 24 VDC
- Output: 30 to 240 Ohms
- Response Time: < 1 Second
- Resolution: 0.50"
- Repeatability: < 0.50"

APPLICATIONS

- Stationary Engine Fuel Tanks
- Marine Equipment
- Agricultural Equipment

DIMENSIONS



SPECIFICATIONS

**SG refers to the recommended minimum liquid specific gravity.*

SERIES	MOUNT/STEM	FLOAT	RETAINING COLLAR	TEMPERATURE	PRESSURE	SG*
TR30240	Brass	Buna-N	PH 15-7 Mo, SS	-40 F to +180 °F (-40 C to +82 °C)	150 PSIG (10.3 bar)	0.77
TR30240	316 S.S.	316 S.S.	PH 15-7 Mo, SS	-40 F to +300 °F (-40 C to +149 °C)	750 PSIG (51.7 bar)	0.80 or 0.90

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