

Series 600

Tank Contents Gauges

- No pneumatic or electrical power required
- Completely safe in hazardous environments
- Sensor fully submersible or externally mounted
- Simple and versatile installation
- Sea Water, Oil and Chemical Resistant
- Marine Certifications (LRS, GL, DNV, BV, RMRS, etc.)
- Global Engineering Support (44 locations)



Overview

The Series 600 Self Powered Tank Contents Gauges have been designed specifically for Marine and Industrial applications. The instruments are completely automatic and provide remote continuous indication of tank contents.

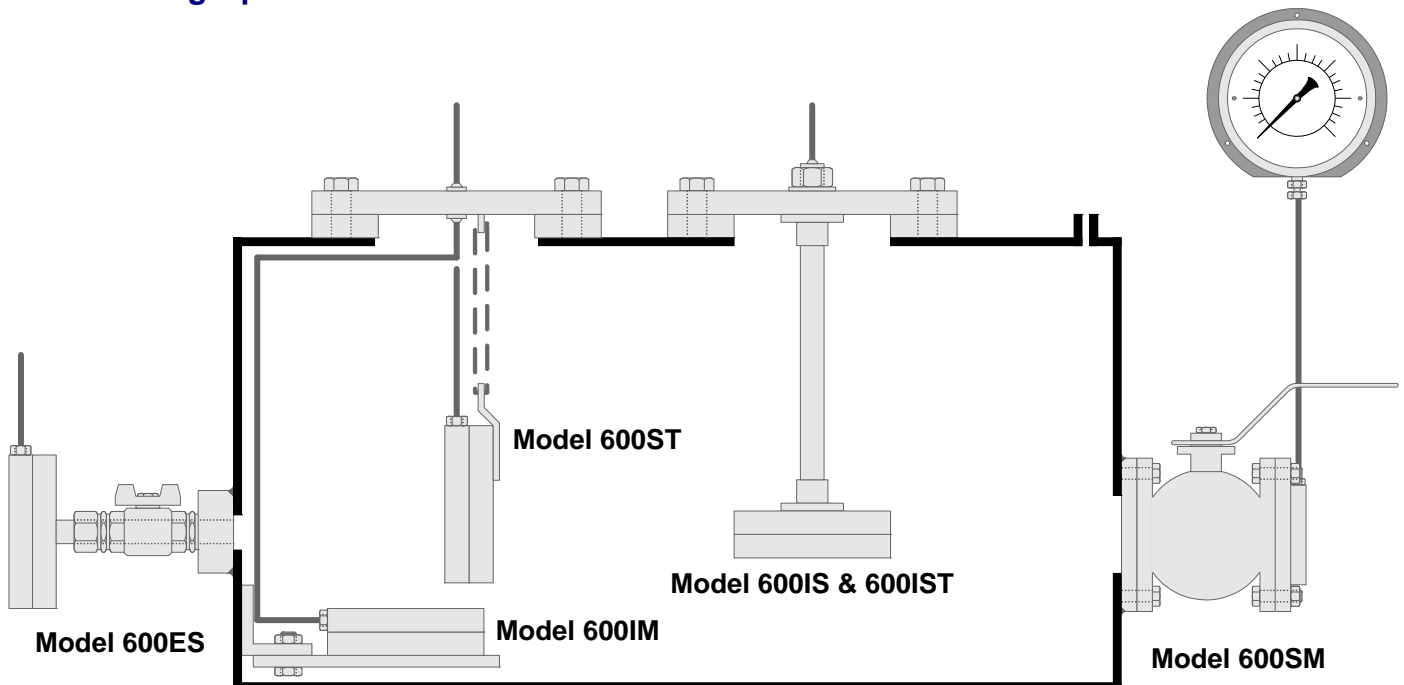
Tank sensors are available in two different materials; mild steel is typically used for oils and stainless steel is used for all other liquids.

The versatile methods of mounting and positioning of the sensor, internally or externally, meet all installation requirements. Detachable capillary is optional.

Indicators are of stainless steel construction. Calibration may be in any unit of mass, volume or depth of liquid. Each scale is individually calibrated and hand painted to ensure a high degree of accuracy. Dual scales are available as required.

The mounting adaptability of the Series 600 makes it ideally suited for use in all tanks onboard ship, and for a wide range of industrial applications from Water to stringent Chemical processes.

Mounting Options



Specifications

Measurement characteristics

Pressure range	0...0.3 to 0...60 mH ₂ O
Overpressure	Minimum 100% FS
Accuracy	<1% FS

Indicator

Dial Size	100mm 160mm
Scale	Individually hand painted Dual scale available

Temperature characteristics

Operating Temperature	-30°C...175°C
Storage Temperature	-30°C...175°C

Capillary

Max Length	50m (40m with 2 indicators)
Detachable	Yes (at either sensor or indicator)

Materials specification

Sensor Body	Brass, Mild Steel, Stainless Steel
Indicator	Stainless Steel
Capillary - Internal	Copper sheathed in Stainless Steel tube
- External	Copper sheathed in Terylene reinforced PVC tube

Sensor Connections

External - Model 600ES	¾" BSP running nut
- Model 600SM	DN80 Flange
Internal - Model 600IM	U plate bracket
- Model 600IS	Pole (fixed to flange)
- Model 600IST	Pole (¾" BSP male thread)
- Model 600ST	Chain suspension

Electrical specification

Power Supply	None required
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Physical characteristics

Weight - Model 600ES	5Kg
- Model 600IM	12Kg
- Model 600IS	12Kg
- Model 600IST	12Kg
- Model 600SM	7Kg
- Model 600ST	6Kg

Calibration

Any unit of mass, volume, depth of liquid

Dimensions See schematics

Ordering Details

Please specify the following information when requesting a quotation or placing an order:

Tank Name	Tank Text	<i>EXAMPLE TK NO.1</i>
Model	ES, IM, IS, IST, SM, ST	<i>ES</i>
Indicator Type	Wall, Panel Mounted	<i>Wall Mounted</i>
Indicator Size	100mm, 160mm	<i>160mm</i>
Capillary Length - Internal	m (Model IM only)	-
- External	m	<i>3m</i>
Scale	m, m ³ , litres	<i>m³</i>
Range - Linear	L, W, H	-
- Non-Linear	Tank Tables	<i>See Tank Tables</i>
Sensor Height	mm	<i>50mm</i>
Liquid	Water, Oil, etc.	<i>Sea Water</i>
Specific Gravity	Fresh Water = 1.00	<i>1.025</i>
Temperature	°C	<i>20°C</i>
Optional Extras	Bulkhead Fitting	-
Marine Certification	BV, DNV, GL, LRS, etc.	<i>BV</i>