4560 Servo Gauge Monitor

Tank side monitor for display of gauging data and operating the 6005 STG

Software Version 4.27f

Highlights

- Tank side monitor for level and temperature data
- Controls the 6005 STG from a convenient location
- Three-key touch control
- Built-in calibration window capabilities
- FM & CSA approved for hazardous areas
- NMI Approved for custody transfer applications
- SIL2 Certified with maintenance prediction and proactive safety diagnostics output to system operators

Application

The 4560 Servo Gauge Monitor is a simple, low cost tank side monitor. Mounted at the tank side or up to 3600 feet (1200 meters) away (local HART connection), it provides indication of measured level, temperature data and operating status, and can send operating commands to the 6005 STG from a convenient location.

A four line, illuminated Liquid Crystal Display (LCD) with touch control is used to operate and select data. Mounted within a flameproof enclosure, touch control ensures safe operation even in hazardous areas.

Operating commands to the 6005 STG include:

- Level measurement
- Displacer host
- Interface level measurement (two interfaces can be measured)
- Specific gravity measurement of each product layer
- Tank Bottom location

Product Options
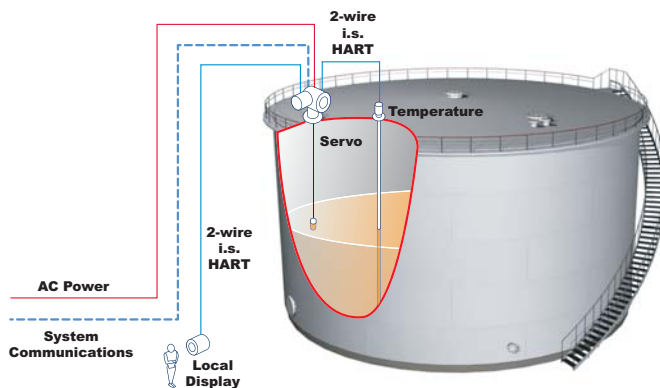
Approvals

- Weatherproof
- Flame proof
- ATEX

Various Cable Entries

Power Supply

- 85 - 264 VAC
- 20 - 62 VDC

Various Mounting Options

Note: Please complete an Application Data Sheet for this equipment to facilitate proper selection of options for your unique application. Contact your Varec Sales Representative for more information.

Example Tank Gauging System

Technical Specifications

Input characteristics	Signal: Local HART protocol
Display	Four line, illuminated display, language selectable English and Japanese
Programming	3 optical keys for selection of matrix functions (touch control)
Power supply	85 - 264 VAC, 50/60 Hz, 25 VA 20 - 62 VDC, 25 W: 20 - 55 VAC, 50/60 Hz, 25 VA
Power consumption	For AC power supply: 40 VA For DC power supply: 40 W
Ambient temperature protection	-20...+60°C IP67 with closed housing and cable glands of same protection class
Housing: material & weight	aluminum, coated with rust inhibitor paint - Approx. 6.5 kg
Electromagnetic compatibility	Immunity and emission to EN 50082-1,2

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