

Tank Side Monitor NRF590



Benefits:

- Intrinsically safe power supply and communication for Micropilot and Levelflex radar level devices
- Connects up to 6 HART devices via intrinsically safe 2 wire, for example Prothermo, for average temperature measurement and Cerabar/Deltabar for HTMS density applications. RTD input is also available
- Backlit graphical LCD display; operation via 3 optical keys (touch control)
- User-friendly operating menu (multi-lingual)
- Interfaces to tank inventory system Tankvision
- Provides communication to PLC, DCS and SCADA systems
- Approved for use in explosion-hazardous areas

More information and current pricing:

www.casc.endress.com/NRF590

Field of application: The Tank Side Monitor NRF590 is a sensor integration and monitoring unit for bulk storage tank gauging applications. It can be used with Micropilot radar or Proservo level gauges and can be combined with other HART compatible devices to communicate tank sensor data to a control host. Various selectable alarms and outputs.

Features and specifications

Continuous / Liquids

Measuring principle

Characteristic / Application

Field gateway for tank sensor operation and monitoring and integration into inventory control system;
Power supply and signal converter for FMR5xx

Specialities

Hydrostatic Tank Gauging (HTG)

Continuous / Liquids**Supply / Communication**AC: 55...264 VAC

Ambient temperature

Standard:

-40°C...60°C

(-40°F...140°F)

For calibration to regulatory standards:

-25°C...55°C

(-13°F...131°F)

Communication

Outputs:

Fieldbus: Modbus RS485, V1, WM550, L&J, Mark Space, Enraf BPM, GPE, HART Analog 4-20mA (Exi/Exd),

Relay (Exd/Exi)

Discrete output Exd/Exi)

Inputs:

Analog 4-20mA(Exd),

2-, 3-, 4-wire RTD,

Discrete input (Exd/Exi passive/active)

Certificates / ApprovalsATEX, FM, CSA, TIIS, NEPSI

Metrological approvals and certificatesOIML, NMI, PTB

Options

Weather protection cover

mounting kit pipe

More information www.casc.endress.com/NRF590