

VCCS13s

Inventory Management & Alarming System

Central Visualization Cabinet for Level Measurement



Application Area

Use the VCCS13s in developing a single source of supply for instrumentation, wiring, basic controls, and startup. Quality devices and resources are provided to design and integrate VEGA's hardware and software and help manage and coordinate installation.

The most common industries for the VCCS13s include:

- Bulk Solids
- Chemical
- Petrochemical
- Refining

Advantages

Recognizable benefits of the VCCS13s include:

- Reduces risk and uncertainty on the part of the customer
- Increases speed and deployment over using multiple suppliers and contractors
- Reduces total installed cost by having a clean installation and startup
- Provides real time material inventory to DCS, PLC, SCADA or Internet
- Additional safeties with high and low alarming and notification system

Function

The VCCS13 Interface performs local visualization and alarming for attached radar level devices. The VCCS13 also serves as a power supply for the connected HART/4-20 mA instruments such as a single interface measurement, two connected sensors, or level measurement.

Technical Data

General

- Weight 12.6 kg (28 lbs.)
- Main Supply Voltage 230V or 115 VAC
- Screen Backlit monochrome LCD

Electrical

- External Alarm Light & Horn NEMA 4X construction
- Overcurrent Protection Individually protected devices with breakers or fuses
- Connections
- Power Supply 115V / 240 VAC - 24 VDC
- External Alarm Push-Button
- Acknowledge
- Supply Voltage 115 / 240 VAC

Communications

- Ethernet Ready Static TCP/IP
- Up to 30 Connected Devices Radar, Pressure, Temperature - any HART two-wire device
- Industrial Ethernet 5 Port Switch Direct connection to existing LAN
- Alarms 3 per connected device Low, Hi, Hi-Hi

Output

- PLC, DCS Data Ready VEGASCAN, Modbus TCP data (read-only)
- Current Measured Level Bar graph indication
- Percent of Level 00.00% - 100.00%
- User Defined 0-9999999, maximum of 7 Engineered Value
- Units of Measure ft., m, gal., BBL, lbs., others available
- User Defined Names per connected device
- User Selected Alarm Levels Low-Low, Low, Hi, Hi-Hi (1-100%)
- Alarm Log Last 10 alarms
- HTML Webpage Generated by VEGASCAN

Optional Features

- Heater Mounted in Enclosure
- Wireless Ethernet Mounted in Enclosure
- Purged Systems Upon Request
- Available
- Separate Horn / Light Mounted Externally

Materials

The enclosure is rated NEMA 4 or NEMA 4X.

Housing Versions

Housings are available in NEMA 4 painted steel, NEMA 4X stainless, and NEMA 4X Fiberglass. They are available in protection classes up to IP 67.

Electronic Versions

The electronics version available for the IMAs is 4 ... 20 mA HART.

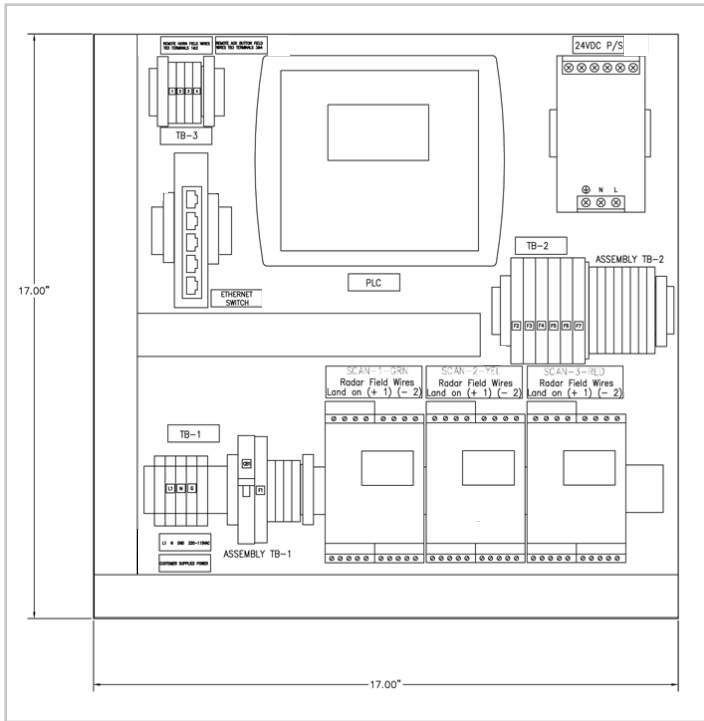
Approvals

This sensor has a NEMA 4 approval rating for painted steel enclosure or NEMA 4X approval rating for fiberglass and stainless steel enclosures.

Operation

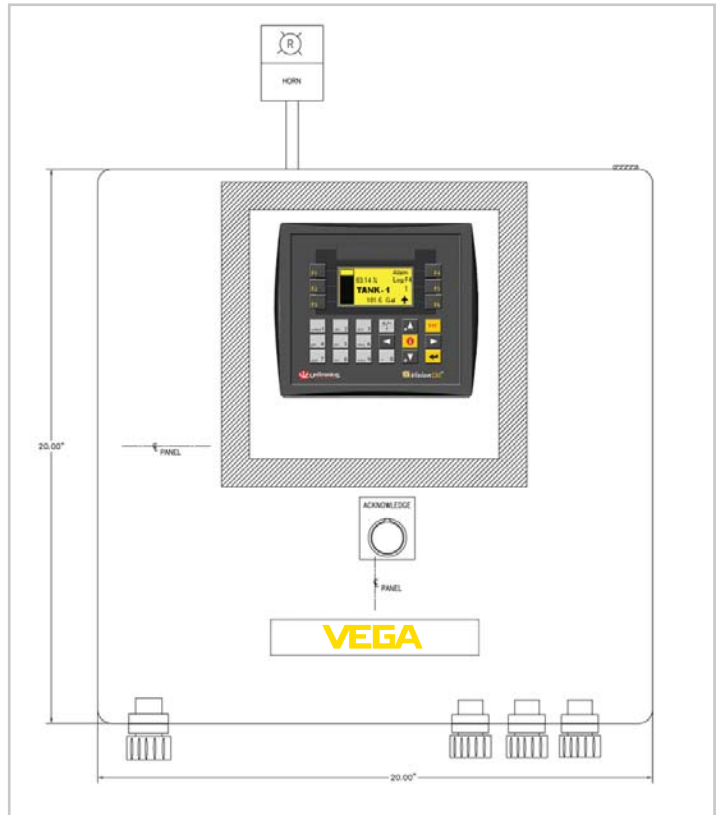
The VEGA level measurement device, in combination with the VEGASCAN 693.XXE, provide the level information to the Inventory Management & Alarming Interface in linear percent. Each VEGASCAN can handle up to 10 VEGA, 2-wire HART devices. The Inventory Management & Alarming Interface can handle a total of 30 connected devices.

Electrical Connection



Inside View

Dimensions



Front View

Information

You can find additional information about VEGA product offerings from our home page, www.vega-americas.com. Brochures, operating instructions, quick reference guides, specification sheets, and drawings are also available from the Downloads section of our homepage.

Device Selection

The Downloads section of our home page, www.vega-americas.com provides application data sheets so you can select the measuring principle or product for your particular application.

Contact

Please call 1-513-272-0131, Monday through Friday, 8:00 A.M.-5:00 P.M., EST (Eastern Standard Time) if you have any questions. For emergencies after hours, call the number above and follow the voice mail instructions.

All information is subject to change without notice.