

# VCCS13e

## Inventory Management & Alarming System

### Central Visualization Cabinet for Level Measurement



#### Application Area

Use the VCCS13e 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 VCCS13e include:

- Bulk Solids
- Chemical
- Petrochemical
- Refining

#### Advantages

Recognizable benefits of the VCCS13e 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 VCCS13e Interface performs local visualization and alarming for attached radar level devices. The VCCS13e 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 13.6 kg (30 lbs.)
- Main Supply Voltage 230V or 115 VAC

##### Electrical

- External Alarm Light & Horn NEMA 4X construction
- Overcurrent Protection & Internal Power Connections Individually protected devices with breakers or fuses
- Power Supply 115V / 240 VAC - 24 VDC
- Screen 15" Touch-sensitive screen with accurate analog touch pad
- Supply Voltage 115 / 240 VAC

##### Communications

- Ethernet Ready Remote visualization on PC
- Up to 30 Connected Devices Radar, Pressure, Temperature - any HART two-wire device
- HTML Webpage VEGASCAN
- Industrial Ethernet 5 Port Switch Direct connection to existing LAN
- Alarms 4 per connected device with colored graphic

##### 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 Engineered Value 0-9999999, maximum of 6
- Units of Measure ft., m, gal., BBL, lbs., others available per connected device
- User Defined Names Low-Low, Low, Hi, Hi-Hi (0-100%)
- User Selected Alarm Levels
- Alarm Log last 30 alarms on HMI Alarm Screen
- Trending Trend screen for each attached device
- Visible Measured Levels 10 with graphic per screen

##### Optional Features

- Heater Mounted in Enclosure
- Wireless Ethernet Mounted in Enclosure
- Purged Systems Available Upon Request
- UL or CUL listing Upon Request

#### 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 IMAe is 4 ... 20 mA HART.

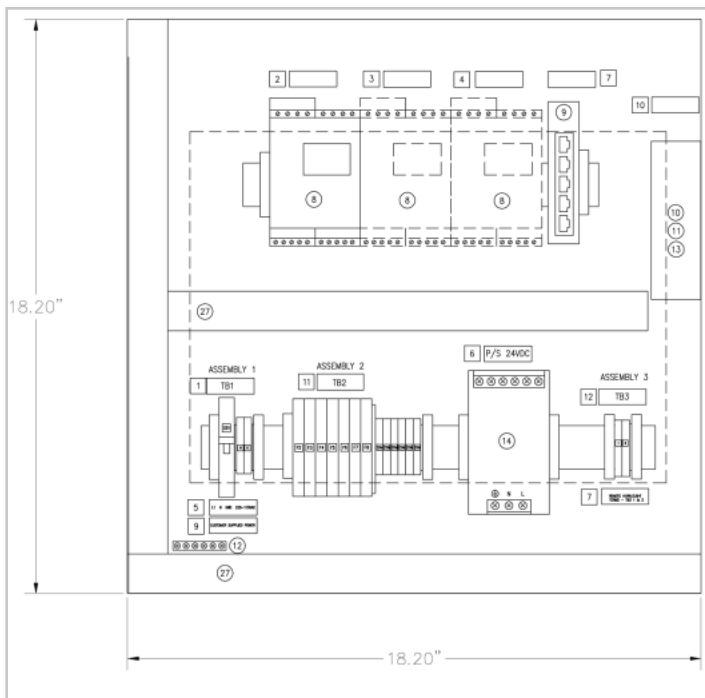
## Approvals

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

## Operation

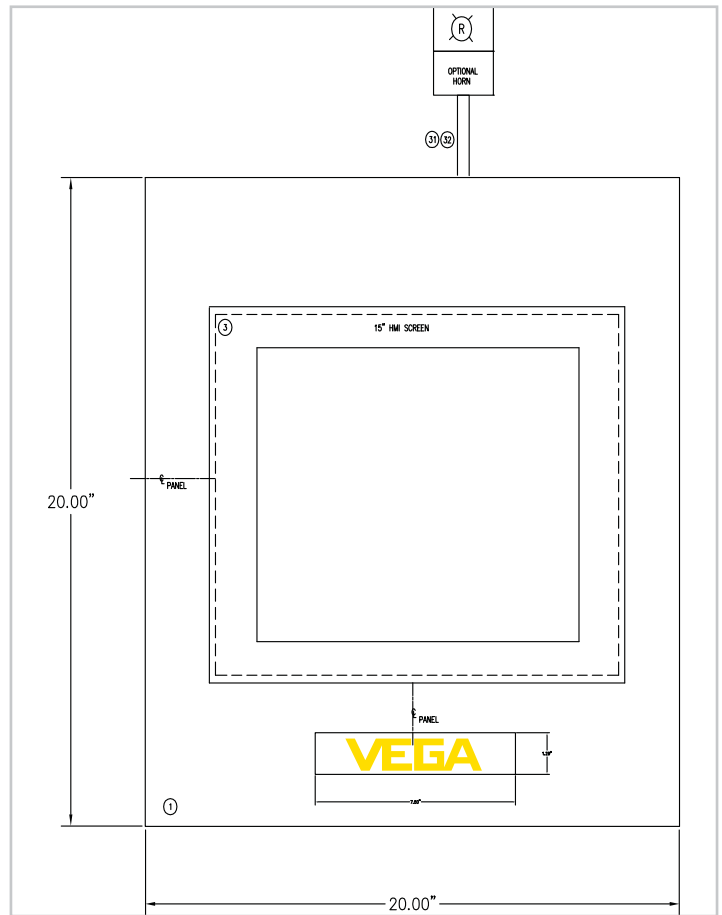
The VEGA level measurement device, in combination with the VEGASCAN 693.XXE, provide the level information to the Inventory Management & Alarming Interface in linear percent. Each VEGASCAN can handle up to 10 VEGA, 2-wire HART devices. The Inventory Management & Alarming Interface can handle a total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