

VEGA Inventory System (VIS)

Web-based Visualization for Inventory Management

VEGASCAN Power Cabinet with Cellular Router



Application Area

Use the VEGA Inventory System for monitoring and managing inventory in vessels. The software works in conjunction with instruments that continuously measure liquid or bulk solid materials. The web-based software enables the viewing of inventory information from anywhere via any web enabled device. Planners, dispatchers, and operations personnel can use this visibility to streamline the logistic/ replenishment process, reduce hauling cost, while reducing the risk of an inventory "event".

Common industries for the VEGA Inventory Management System include:

- Building Materials
- Chemical
- Upstream Oil
- Plastics
- Food and Beverage

Advantages

Recognizable benefits of the VEGA Inventory System include:

- Tighter inventory control
- Reduced risk of inventory "event"
- Lower hauling cost
- Better storage utilization
- Vendor Managed Inventory (VMI)
- Reduced administration
- Improved production planning

Function

The VEGASCAN Power Cabinet with cellular router is designed to provide simple connectivity to and from the field. The end user is responsible for wiring 120/240 AC power to the enclosure. The necessary overvoltage protection, AC/DC power supply, field termination block, and interconnecting wiring are all included as part of the cabinet. The cabinet provides the power for the connected measurement devices.

The VEGASCAN signal conditioner provides power and communicates to the individual measurement devices over a HART network via standard twisted pair signal wire. The VEGASCAN includes an LCD display for viewing the measurement information from the connected devices. One VEGASCAN cabinet can support up to 15 measurement devices. The VEGASCAN monitors the inventory in each vessel and transmits the data to the VEGA Inventory System portal based on the configured schedule.

Data transmission of the measured inventory to the portal uses a cellular connection to the internet. Conversely, the cellular connection enables remote access to the gateway, VEGASCAN, with required security credentials. This remote access enables configuration and troubleshooting of the measurement devices by VEGA personnel.

Technical Data

General

- Weight 4.5 kg (10 lbs)
- Main Supply Voltage 230V or 115 VAC

Electrical

- Overcurrent Protection & Internal Power Connections AC/DC System Protection
- Power Supply 115V / 240 VAC - 24 VDC

Communications

- VEGA VIS Remote visualization on PC
- Up to 15 Connected Devices Radar, Pressure, Temperature - any HART two-wire device that operates in multi-drop mode

Output

- Panel/Gateway (VEGA-SCAN with cellular router) Cellular data transmission to VEGA Inventory System

Housing

The polycarbonate enclosure is rated NEMA 4X.

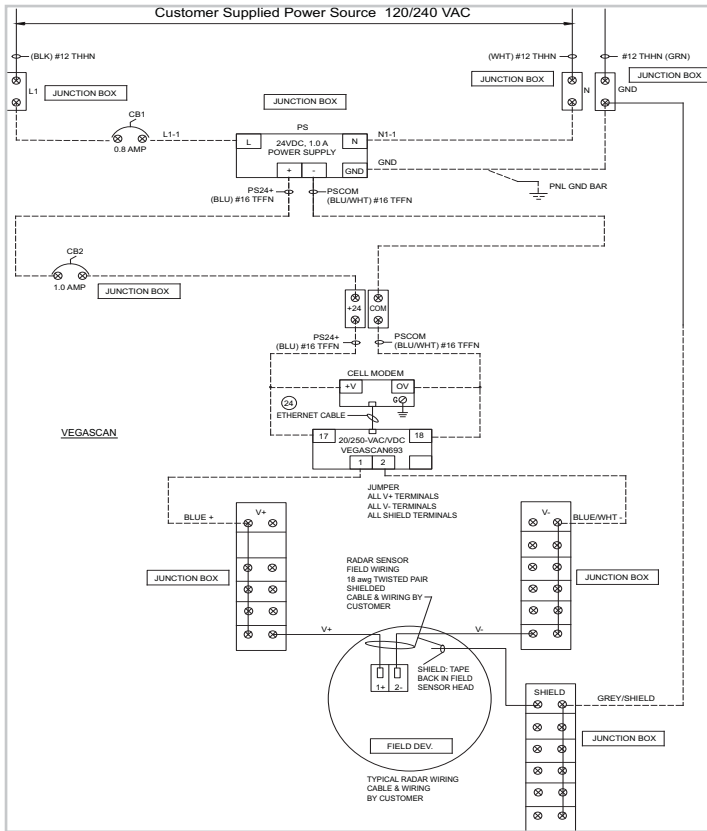
Electronic Versions

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

Operation

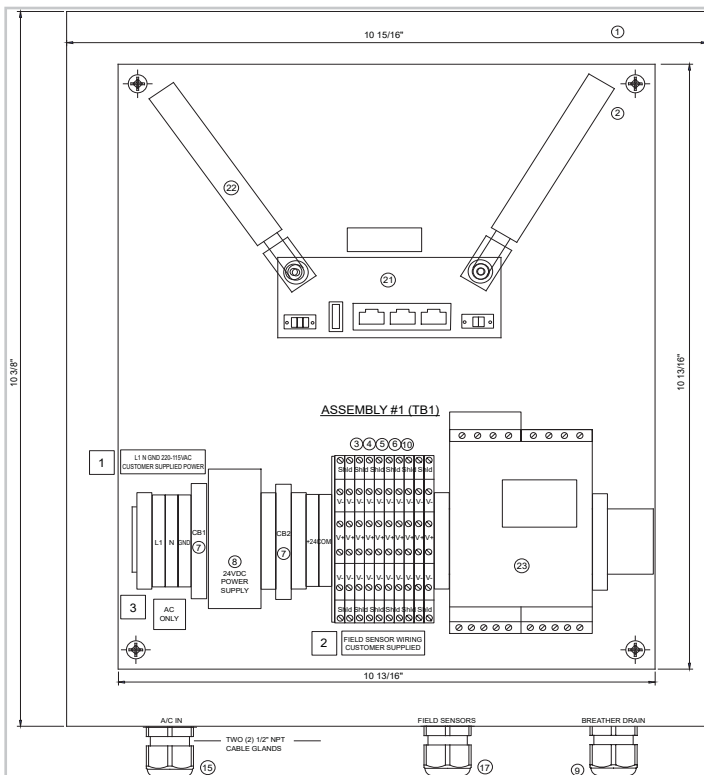
The VEGA level measurement devices, in combination with the VEGA-SCAN Power Cabinet with cellular router provide the inventory information to the VEGA Inventory System. The VEGA Inventory System is a web-based software that enables viewing of the inventory information using any web-enabled device with the proper login credentials such as a username and password.

Electrical Connection



Wiring Schematic

Dimensions



Inside View

Dimensions continued



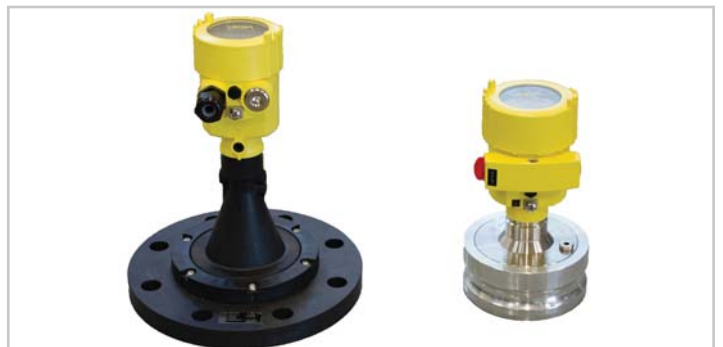
Photo of Inside View

Information

You can find additional information about VEGA product offerings from our home page, www.vega.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.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.