



19" NEMA 4X Remote Monitor - for Class 2 Div 1 Environments

Picture
Coming
Soon

The VT952ES is a NEMA 4X LCD designed to meet Class 2, Div 1 protection. The purge system uses a pressure switch to automatically trigger alarms in case of pressure loss.

Slim and Economical

With its moderate weight and small footprint, the VT952ES series is ideal for applications where both space and budget are limited.

Durable

The VT952ES monitors is fully enclosed in sealed, NEMA 4x, easy-open, stainless steel cases. The chassis has no external vents, so nothing can get under its skin, including weather, dust, dirt, moisture, oil, chemicals or other harsh contaminants. A hard-anodized cast aluminum heat exchanger and internal heat management system keep it cool in environments where ambient temperatures approach 50°C -- without using outside air.

With its lightweight yet rugged construction, and either pre-cabled or bulkhead connectors, the VT952ES display is easily mounted on walls, stands, arms or other industrial equipment.

The display is available with optional brackets, that conforms to VESA flat panel mounting standards.

FEATURES

- ◆ Designed to Meet Class 2 Division 1 Protection
- ◆ NEMA 4x sealed enclosure
- ◆ Purge System
- ◆ Water proof and dust proof
- ◆ Stainless steel construction
- ◆ Mid-size footprint
- ◆ Flexible mounting options
- ◆ Direct or KVM cabling to host
- ◆ LCD screen shielded by a Tempered Glass Protective Overlay

*Supports all VESA standard video formats

SPECIFICATIONS

Display

19 Inch TFT, LCD screen shielded by a Tempered Glass Protective Overlay

Resolution Capabilities

SXGA

Pixel Format

1280 x 1024*

Standard Connection

VGA, Serial, Power

Enclosure

316 Stainless Steel Sealed
Anodized Aluminum Heat Sink
12" Handles

Environmental/Thermal

NEMA 4x
Water Proof
Dust Proof
50°C
IP65

CONTACT

HEADQUARTERS

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OPTIONS

- Purge System Mounting to Side (L/R), Top or Bottom

****Purge System w/Pressure Switch Next Page****

www.vartechsystems.com



**Purge System w/
Pressure Switch**

This Rapid Exchange® purging system that operates on a supply of compressed instrument air or inert gas. It regulates and monitors pressure within sealed (protected) enclosure(s), in order to prevent combustible dust accumulation or remove and prevent flammable gas or vapor accumulations. In Class II Areas, the system maintains a "safe" (1.0") pressure. In addition, the system includes an electrical power control unit (EPCU) that monitors system operation and controls enclosure power. All start-up requirements must be satisfied before the EPCU will energize power to the enclosure(s). These processes reduce the hazardous (classified) area rating within the enclosure(s), in accordance with the NEC - NFPA 70, Article 500, NFPA 496 and ISA 12.4.



MATERIAL SPEC

Regulator Body

Zinc w/ Enamel Finish

Regulator Handle & Bowl

Polycarbonate

Rapid Exchange Gauge

Aluminum w/ Enamel Finish

Tube Fittings & Valves

316 SS Forged Body

Tubing

316 SS 1/4" .035 Welded

System Nameplates

Silk screened Lexan® & SS

Fastener Hardware

SS Screws & Bolts

Mounting Plate

316 14 Ga #3 Brush SS

EPCU Enclosed Body

Bead Blast Cast Alum.

Enclosure Warning

Nameplate

Silkscreened SS

Lexan® is a registered trademark of the General Electric Company.

Specifications

Shipping Weight

38 lb

Temp. Range

-20F to 120F

Supply Pressure Range

5 - 120 psi

Supply requirements

Clean air or inert gas

Safe Pressure Setpoint

.25"/1" @ safe pressure

Safe Pressure Flow Rate

0.1 - 3.5 SCFH - Enclosure integrity determines actual flow rate

Exchange Flow Rate

4 SCFM / 240 SCFH - With regulator set to 60 psi min. during exchange

System Supply Port

1/4" FPT

Enclosure Supply Fitting

1/4" tube fitting

Enclosure Reference Fitting

1/4" tube fitting

EPCU Conduit Port Size

1/2" FPT

EPCU Power Requirements

120 VAC 60Hz 10

EPCU Power Consumption

500mA

Dimensions

20" (H) x 11" (W) x 10.5" (D)

Height & Width dimensions reflect mounting plate measurements. Depth dimensions reflects overall measurement of system, including components.

Mounting

Side (L/R), Top or Bottom

OPERATION

In accordance with system instructions, start-up requires the air supply to be engaged and EPCU power to be energized. In Class II Areas, all dust must be removed from the enclosure(s). The enclosure protection vent (if used) must be tested and enclosure(s) must be sealed. The EPCU power control switch must be activated and the system will self-test. The enclosure pressure control regulator is then used to set a safe reading on the enclosure pressure gauge. In Class II Areas, power will energize shortly after safe pressure is stable. Loss of safe pressure causes the EPCU to de-energize power to the protected enclosure(s). All systems include form "C" contacts for audible or visual alarm systems.

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