



## 17" NEMA 4X Remote Monitor for Class 2 Div 1 Environments

Picture  
Coming  
Soon

The VT752ES 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 VT752ES is ideal for applications where both space and budget are limited.

### Durable

The VT752ES is fully enclosed in a sealed, NEMA 4x, easy-open, stainless steel case. 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 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 VT752ES is easily mounted on walls, stands, arms or other industrial equipment.

With optional brackets, it 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

## SPECIFICATIONS

### Display Size

17 Inch

### Resolution Capabilities

SXGA

### Pixel Format

1280 x 1024\*

### Standard Connection

VGA, Serial, Power

### Enclosure

316 Stainless Steel Sealed  
Anodized Aluminum Heat Sink  
10" Handles

### Environmental/Thermal

NEMA 4x  
Water Proof  
Dust Proof  
50°C  
IP65

\*Supports all VESA standard video formats

## 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](http://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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