



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



The VT702ES is a NEMA 4X LCD designed to meet Class 2, Div 2 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 VT702ES is ideal for applications where both space and budget are limited.

### **Durable**

The VT702ES 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 VT702ES 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, Div 2 Protection
- ◆ Purge/Pressure System
- ◆ NEMA 4x sealed enclosure
- ◆ 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

### **Shipping**

Box size: 36x14x36  
Shipping Weight: 90.6 lb  
Unit Weight: 69.8 lb

\*Supports all VESA standard video formats

## CONTACT

### **HEADQUARTERS**

11529 Sun Belt Ct.  
Baton Rouge, Louisiana 70809

**Phone** 800.223.8050

### **International**

001.225.298.0300

**Fax** 225.297.2440

### **E-mail**

sales@vartechsystems.com

### **Website**

www.vartechsystems.com

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

[www.vartechsystems.com](http://www.vartechsystems.com)



**Purge System w/  
Pressure Switch**

This Rapid Exchange® enclosure pressurization 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. This process reduces 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

ABS Plastic

### Tube Fittings & Valves

316 SS Forged Body

### Tubing

316 SS 1/4" .035 Welded

### System Nameplates

Silk screened Lexan® & SS

### Fastener Hardware

Zinc Plated and Stainless Steel

### Mounting Plate

316 14 Ga #3 Brush SS

### EXP Pressure Switch Body

Anodized Cast Alum.

### Enclosure Warning

### Nameplate

Silkscreened SS

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

## Specifications

### Shipping Weight

10 lb

### Operating Temp. Range

40F 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

### 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 15amps

### Dimensions

12" (H) x 8" (W) x 7.25" (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 air supply to be engaged and enclosure power to be de-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 enclosure pressure control regulator is then used to set a safe reading on the enclosure pressure gauge. In Class II areas, power can be energized when safe pressure is stable. Loss of safe pressure in Class I or II areas requires immediate attention, unless power is de-energized. WPS style systems include an explosion proof differential pressure switch with form "C" contacts for audible or visual alarm systems.

**www.vartechsystems.com**  
**Email: sales@vartechsystems.com**  
**Toll Free: 800.223.8050**