

# VT700ES



# VARTECH SYSTEMS INC.

Solutions for Demanding Applications

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



Rugged, mid-size monitors that can be used as front-office PCs or in hazardous areas. The display is an ideal NEMA 4X solution for HMI.

### Slim and Economical

With its moderate weight and small footprint, the VT700ES series is ideal for applications where both space and budget are limited.

### Durable

The VT700ES 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 precabled or bulkhead connectors, the VT700ES 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 Class1, Div2
- ◆ 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  
12" Handles

### Environmental/Thermal

NEMA 4x  
Water Proof  
Dust Proof  
50°C  
IP65

### Weight

Unit: 69.8 lb  
Shipping: 90.6 lb

\*Supports all VESA standard video formats

## OPTIONS

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

## CONTACT

### HEADQUARTERS

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



Purge System w/  
Pressure Switch

## Purge System w/ Pressure Switch (Class 1, Div 2 Protection)

Enclosure pressurization or 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. The system accomplishes four air exchanges and maintains a "safe" (0.25") pressure. 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

Polycarbonate

### Enclosure Pressure Gauge

Alum. w/ Enamel Finish

### Tube Fittings

316 SS Forged Body

### Tubing

316 SS 1/4" .035 Welded

### System Nameplates

Silk screened Lexan® & SS

### Fastener Hardware

Alum. & Stainless Steel

### Mounting Plate

316 14 Ga #3 Brush SS

### EXP Pressure Switch Body

Anodized Cast Aluminum

### Enclosure warning

### Nameplate

Silk screened SS

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

## Specifications

### Weight

10lb

### Temp. Range

-20F to 120F

### Supply Pressure Range

5 - 120 psi

### Supply requirements

Clean air or inert gas

### Safe Pressure

.25"

### Safe Pressure Flow Rate

.1 - 3.5 SCFH - Enclosure integrity determines actual flow rate

### System Supply Fitting

1/4" tube fitting

### Enclosure Supply Fitting

1/4" tube fitting

### Enclosure Reference Fitting

1/4" tube fitting

### Switch Setting (CI, Decr)

.15" +- .02"

### Switch Conduit Port Size

1/2" FPT

### Switch Contact Rating

120 VAC, 15A

### 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 deenergized. In Class I areas, the user must perform an exchange cycle (determined by the safe pressure flow rate—five minutes minimum) before power can be energized. Loss of safe pressure requires immediate attention, unless power is deenergized. The purge system includes an explosion proof differential pressure switch with form "C" contacts for audible or visual alarm systems.



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