



VT181PTSR



# Solutions for Demanding Applications VarTech Systems Inc.

## High Performance Industrial Flat Panels for Indirect Sunlight Readable Applications

### FEATURES: VT181PTSR 18.1" Transflective NEMA 4 Panel Mount

- ◆ Bright Active Matrix TFT Display
- ◆ Digital, Analog, NTSC Inputs
- ◆ VGA to SXGA Resolution Capabilities\*
- ◆ HD15, DVI-I29 Pin, RCA, Mini Din
- ◆ Anti-Reflective Protective Faceplate
- ◆ Film Enhanced for Indirect Sunlight Readability

This 18.1" Transflective LCD display is designed to be placed in a variety of applications where the panel will be exposed to indirect sunlight. Transflective displays reflect the light eliminating the need for additional expensive backlights and brightens the screen in indirect sunlight without increasing power consumption. These displays are auto sync compatible with PC's video standards and satisfy a wide variety of industrial control and man-machine interface applications and are available in a variety of sizes.

### SPECIFICATIONS:

**Display Size**

18.1 Inch

**Panel Type**

TFT Active

**Resolution Capabilities**

VGA to SXGA\*

**Pixel Format**

640 x 480, 800 x 600,  
1024 x 768, 1280 x 1024\*

**Pixel Pitch**

.2805 mm

**Active Display Area**

14.135"(w) x 11.310(h)  
359.02mm(w) x 287.27mm(h)

**Viewing Angle**

Left / Right: 80°/80°  
Up / Down: 80°/80°

**Contrast Ratio**

350:1 Typical

**Brightness**

Film Enhanced for Indirect  
Sunlight Readability

**Back Light**

50,000 Hours Half Life

**Colors Supported**

16.7M

**Video Input**

Analog 0.7V p-p / Digital,  
NTSC / PAL

**Sync**

Separate H&V  
Combined, SOG, Digital

**Input Connector**

HD15(F), DVI-I29 Pin,  
RCA, Mini Din

**Optional:**

Resident 5BNC  
HD15 to 5BNC Interface Cable

**Power Source**

90-264VAC Universal

**Optional:**

12VDC  
24VDC

**Power Consumption**

55 Watts (DPMS 3W)

**Temperature**

Operating: 0 to 50°C  
Storage: -20 to 60°C

**Humidity**

Operating: 10 to 95%NC  
Storage: 10 to 95%NC

**Altitude**

Operating: up to 10,000 ft  
Storage: up to 40,000 ft

**Response Time**

T<sub>R</sub> = 15ms typical (25 max)  
T<sub>F</sub> = 15ms typical (25max)

**Bezel Outside Dimension**

18.984"(w) x 14.313"(h)  
482.60mm(w) x 363.5mm(h)

**Cut Out Dimension**

17.862"(w) x 14.582"(h)  
453.69mm(w) x 370.38mm(h)

**Depth Behind Panel**

3.239" / 82.271mm

**Stud Size & Screw Length**

10-32 x 1/2"

**Chassis Construction**

16 gauge Stainless Steel

**Chassis Construction**

18 gauge Stainless Steel

**Bezel Finish**

Black Powder Coated  
Cold Rolled Steel

**TouchScreen**

Optional:  
Capacitive

\*Supports all VESA standard video formats

### OPTIONS:

Capacitive Touchscreen · 12VDC Power Supply · 24VDC Power Supply  
Resident 5BNC · HD15 to 5BNC Interface Cable

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