5015SLR Sunlight Readable

Flat Panel Monitor

DS-5015SLR(B)

15-inch Color LCD Touch Monitor

5015SLR

AC100/240V DC19/30V

XGA

15-inch

Pro-face® XYCOM™

CE (UL) c(UL)

Pro-face/Xycom's 5015SLR Sunlight Readable 15" industrial flat panel touch monitor offers state-of-the-art performance and features at a very competitive price.

FEATURES

- **Sunlight Readable, 1200 Nits Display**
- State of the art 15" TFT XGA color LCD supporting resolutions up to 1024 x 768
- Sophisticated scaling engine produces excellent full screen images in all common VESA modes automatically
- Analog resistive touchscreen and driver software (USB or Serial connections available - only one cable can be used at a time)
- Cutout compatible with 5015T/R2 cutout
- Shallow mounting depth
- Powder coated aluminum front bezel (stainless steel front bezel optional)
- Auto dimming feature with stainless steel bezel
- Provision for 75mm VESA arm mounting on back of monitor
- Simple installation using mounting clips - no studs
- Up to 50' cables (10' USB and Serial touchscreen cables included)
- NEMA 4/4X/12 front panel
- 100-240 VAC power supply - 24 VDC optional
- UL, cUL & CE approved
- UL listed for Hazardous Locations: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T6
- 1 year warranty

Sunlight Readable

The 5015SLR delivers superb display quality up to 1024 x 768 (XGA) resolution with a color depth of 16 million colors while being able to be used in very high ambient light conditions. The 1500 Nit LCD display coupled with a resistive touchscreen containing integrated films that attenuate UV light and allows transmission of visible light make the 5015SLR ideal for many applications either indoors or outdoors which require usability in direct sunlight.

Analog Resistive Touchscreen

Many available sunlight readable flat panel monitors utilized capacitive or Near Field Imaging (NFI) touchscreens to provide adequate clarity and UV protection. Coupled with these types of touchscreens are issues with the lack of being able to use a gloved hand or inoperability when water is pooled on the unit. Pro-face/Xycom has chosen an analog resistive touchscreen that eliminates these issues completely. Integrated with this touchscreen is a very durable thin layer of glass on the external

surface that protects the touchscreen from excessive wear when utilized in harsh environments. The touchscreen also incorporates UV protective layers that protect the LCD from the harmful rays of the sun, much like sun block with a high SPF factor for your skin. This makes the 5015SLR ideal for many applications, such as an oil platform, shipboard, or outside informational Kiosks.

High Standards

The 5015SLR meets all the environmental standards expected of a Pro-face/Xycom Heavy-Duty industrial product. It can be used in an operating temperature range of 0°C to 50°C and is documented and tested to be NEMA 4/4X/12 compliant. The 5015SLR is standard with UL, cUL, and CE compliance and is also approved for use in Class I Division 2 or Class II Division 2 hazardous locations without the need for purging. Simply mount the 5015SLR in a NEMA sealed enclosure and it can be utilized in applications requiring hazardous locations approvals.

The 5015SLR can be operated using a DVI or analog VGA video connection and allows for the use of either USB or Serial RS-232 for the touchscreen interface. The unit ships with 10 foot USB and Serial touchscreen cables (only one can be used at a time). It also ships with a 10 foot VGA video cable; DVI cables up to 10 foot are available as an optional item. Cables up to 50 foot are available for RS-232 and VGA.

Cutout Compatibility

The 5015SLR mounts in the standard 5015T/R2 cutout allowing the choice of sunlight readable or not in an application without altering the enclosure. Both units mount easily in the same cutout using the included mounting clips.

## PRODUCT DIMENSIONS AND DISPLAY SPECIFICATIONS

5015SLR

(A)

16.485

(C)

3.455

(B)

13.780

3.205

(D)
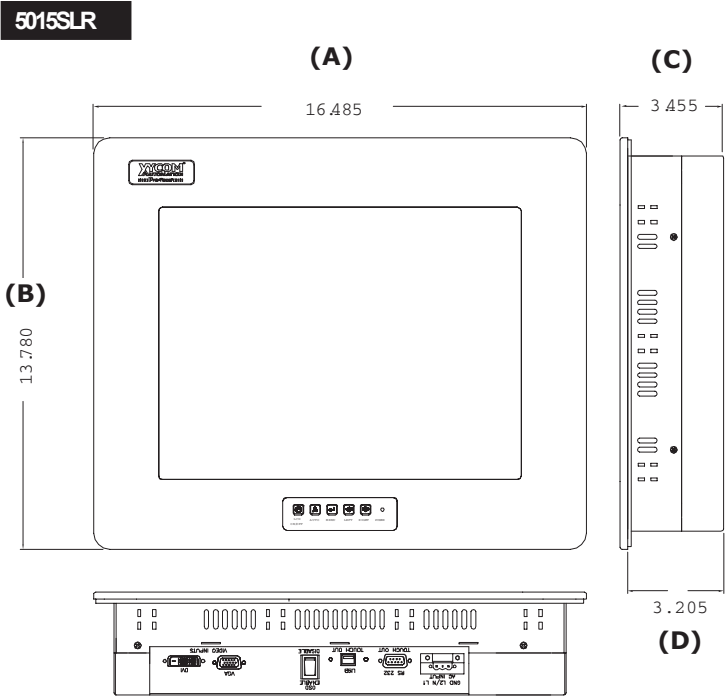
5015SLR Unit Dimensions

	5015SLR
Width (A)	16.485" (418.7 mm)
Height (B)	13.78" (350 mm)
Depth (C)	3.455 " (87.8)
Mounting Depth (D)	3.205" (81.4 mm)
Weight	22 lbs (10.0 kg)

5015SLR Display Specifications

Display Size (Active Area H x V)	11.97" X 8.98" (304.1 mm) X (228.1 mm)
Resolution	XGA: 1024 x 768
Display Colors	16M
Brightness	1200 Nit Typical LCD
Contrast Ratio	350:1 Typical
Horizontal Viewing Angle	120°
Vertical Viewing Angle	100°
Backlight Life	50,000 Hours

PRODUCT CUTOUT DIMENSIONS

15.30" ±0.04", -0"
[388.6 ±1.02, -0.0 mm]

12.76" ±0.04", -0" [324.1 ±1.02, -0 mm]
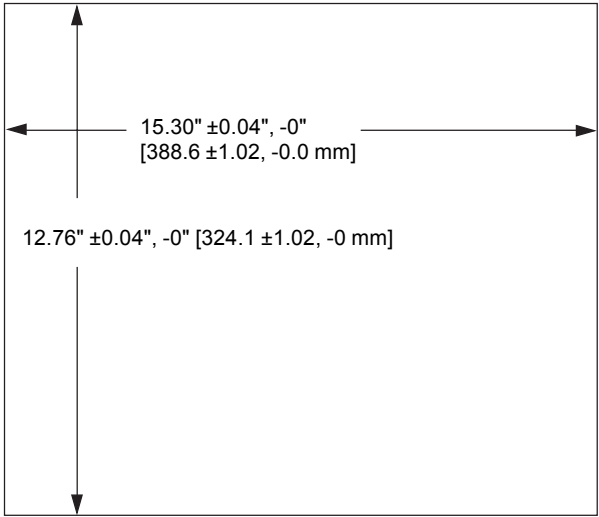
### *Temperature Specifications*

When installing your 5015SLR into an enclosure, extra care should be exercised to ensure that the ambient air around the unit (inside your enclosure, not outside the enclosure) does not exceed 50°C. Exceeding 50°C may cause premature degeneration of the unit.

Even though the 5015SLR is a very compact unit care still needs to be exercised when installing the 5015SLR into an undersized enclosure. Consult your enclosure manufacturer for proper sizing and/or cooling options.

The product specifications and ratings section of this datasheet contains the information your enclosure manufacturer will require.

Enclosure

Cutout

Not To Exceed
50°C
Ambient
Temperature
Inside
Enclosure
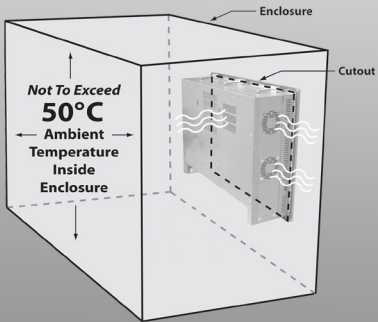
MOUNTING OPTIONS

The 5015SLR is designed to be mounted directly in an equipment panel or enclosure without special mounting plates or brackets. It can also be mounted to an articulating arm or stand using the 75 mm VESA arm mounts on the rear of the unit (see image below). An optional rack mount adapter plate is also available (RM5015T/R2).
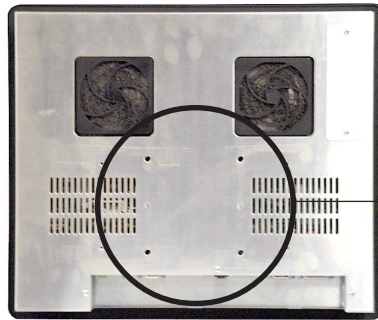
75 mm VESA Arm

PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0°C to 50°C (32° TO 122°F)	-20°C to 60°C (-4° to 140°F)
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock	15g peak acceleration, 11 msec duration	30g peak acceleration, 11 msec duration
Vibration 5-2000 Hz	0.006" peak to peak displacement 1.0g maximum acceleration	0,015" peak to peak displacement 2.5g maximum acceleration
Altitude [a]	Sea level to 10,000 ft. (3,048 m)	Sea level to 40,000 ft. (12,192 m)

[a] Consistent with internal component specifications.

Electrical

AC Power	100 - 240 VAC, 1.0 Amp (maximum), 50-60 Hz, 70 Watts nominal[†]
DC Power	19- 30 VDC, 3.5 Amp (maximum), 66.5 Watts nominal[†]

† Nominal power is measured for a base configuration only. Any additional expansion and/or devices will increase the input power required.

Compliance

Regulatory Compliance

CE
- EN 55022: Class A
- EN 61000-6-2
- EN 61000-3-2, Class A
- EN 61000-3-3
- IEC 60950-1

FCC
- 47 CFR, Part 15, Class A

Safety Agency Approvals

UL
- UL 508 Listed
- UL 1604 Listed [a]

CUL
- CSA-C22.2, #142 Listed
- CSA-C22.2, #213 Listed [a]

[a] Class I Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T6

Front Panel
- NEMA 4/4X/12, IP65

Product certification documentation available at: www.profaceamerica.com/certifications

ORDERING INFORMATION

To create an order number, follow the conventions defined by the example order numbers and product configurations.

Example Order Number

Order Number	Description
5015SLR	15-inch NEMA 4/4x/12 Sunlight Readable Industrial flat panel TFT XGA (1024 x 768) color monitor with resistive touchscreen. 10' USB and Serial touchscreen cables, mounting hardware, documentation and touchscreen drivers.
5015SLR-SS	15-inch NEMA 4/4x/12 Sunlight Readable Industrial flat panel TFT XGA (1024 x 768) color monitor with resistive touchscreen, stainless steel front panel, 10' USB and Serial touchscreen cables, mounting hardware, documentation and touchscreen drivers. (OSD functions located on rear of unit.) Auto dimming feature provided with stainless steel module.

Cables (ordered separately)

Order Number	Description
3000-CBL-10V	10 ft. (3 m) coaxial VGA cable [male-male]; connects monitor to standard VGA card
3000-CBL-25V	25 ft. (7.5 m) coaxial VGA cable [male-male]; connects monitor to standard VGA card
3000-CBL-50V	50 ft. (15 m) coaxial VGA cable [male-male]; connects monitor to standard VGA card
CBL-SER10MF	10 ft. (3 m) serial communication cable
CBL-SER25MF	25 ft. (7.5 m) serial communication cable
CBL-SER50MF	50 ft. (15 m) serial communication cable
3000-USB-03AB	3 ft. (1 m) USB touch cable
3000-USB-10AB	10 ft. (3 m) USB touch cable
3000-USB-16AB	16 ft. (5 m) USB touch cable
CBL-DVID10MM	10 ft. (3 m) DVI Digital Video Cable

Adapter Plates for 5015SLR Monitors

Order Number	Description
MTG-RM5015T/R2	Adapter panel for mounting 5015T/R2 or 5015SLR (NOT 5015T) in 19" rack. Panel measures 14.00" (8U) in height.

Important Notice for XP configurations: Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVA-TION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed

Warranty Information
The 5015SLR carries a one-year parts & labor warranty.

Pro-face America
Phone: 734-429-4971
Fax: 734-429-1010
http://www.profaceamerica.com

Customer Support Hotline: 734.944.0482

For more information

ACCESS www.profaceamerica.com

Pro-face

Pro-face

United States   Canada   Mexico

5019T Flat Panel Industrial Touch Monitor

19-inch TFT SXGA LCD

DS-501900(G)

19-inch Color LCD Touch Monitor

5019T

AC100/240V DC18/30V

SXGA

19-inch

Pro-face®
XYCOM™

c(UL)us CE

Pro-face/Xycom's new 5019T (19") is the latest addition to the high performance, yet cost-effective, 5000 Series of Industrial Flat-Panel monitors. With its two-year warranty and state-of-the-art electronics, the 5019T delivers superb display quality up to 1280 x 1024 (SXGA) resolution with a color depth of 16 million colors and analog resistive touch screen with serial or USB interfaces. The latest generation scaling capability assures high quality, full size images for all standard VESA modes up to SXGA @ 75Hz. Options include 24V DC input power and stainless steel front bezels. The 5019T is certified for NEMA 4/4X/12 environments and meets UL Hazardous Location Class I & II, Division 2 requirements.

FEATURES

- 2 year warranty on all 5000 Series monitors
- State-of-the-art TFT SXGA color LCD and converter card supporting resolutions up to 1280 x 1024 @ 75Hz, 16 million colors
- Sophisticated scaling engines produce excellent full screen images in all common VESA modes automatically
- Analog resistive touch screen and driver software with choice of RS-232 or USB interface
- Analog Video (VGA) & Digital Video Input (DVI)
- Shallow mounting depth - only 2.85 inches deep
- Provision on the back of the monitor for a 100mm VESA mounting arm, or for mounting a 1300 Thin CLIENT or 1546 Node PC
- Simple installation using mounting clips - no studs
- 24V DC input power option
- Optional stainless steel bezel
- Up to 50' cables (VGA & Serial touchscreen only)
  - DVI Cables limited to 10' (3m) maximum
  - USB Touchscreen Cables limited to 16' (5m) maximum
- Ships standard with 10' VGA, 10' Serial RS-232, & USB Cables (DVI cable must be ordered separately)
- Front panel OSD controls, with rear lock-out switch
- NEMA 4/4X/12 front panel
- UL listed for Hazardous Locations: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T4A

Superb Display Quality

The 5019T (19") delivers superb display quality up to 1280 x 1024 (SXGA) resolution with a color depth of 16 million colors and touchscreen with either RS-232 or USB interface. Options include 24V DC input power and stainless steel bezel.

Convert Your 5019 to a Computer Workstation

The 5019T is designed to allow a Xycom 1300 Thin-CLIENT or 1546 Node PC to be mounted on the rear of the monitor. Just bolt the node to the back of the monitor, attach the cables, and your 5019T becomes a computer workstation.

Fits Your Needs

Other features include Hazardous Location - UL Class I & II, Division 2 compliance; 100mm VESA arm mount provision; and front panel controls, with rear "lock-out" switch, for convenient set up and adjustment. Special mounting clips make the installation of the flat panel monitor quick and simple.
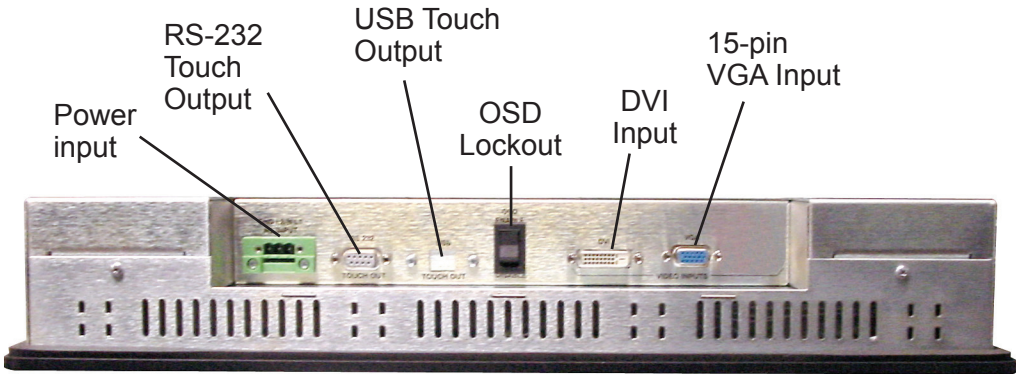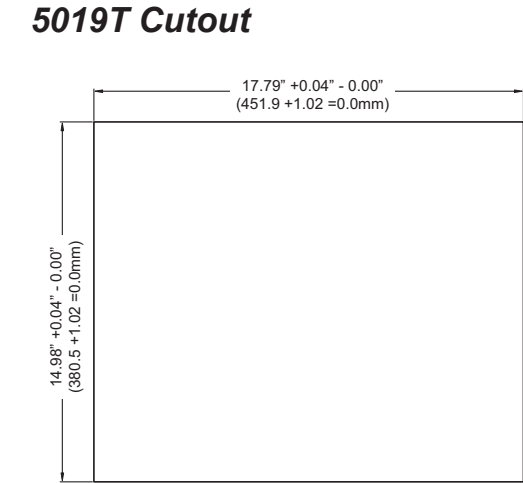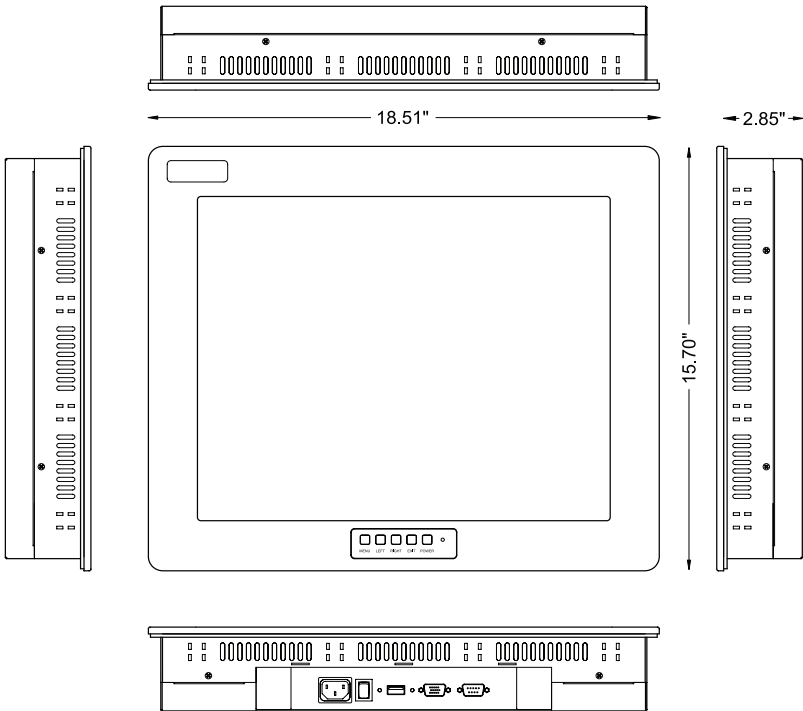
The 5019T offers VGA video input and Digital Video Input (DVI). All units are shipped with 10-foot VGA and serial cables (DVI cable must be ordered separately). A field-wireable input power receptacle is provided for connection to AC power.
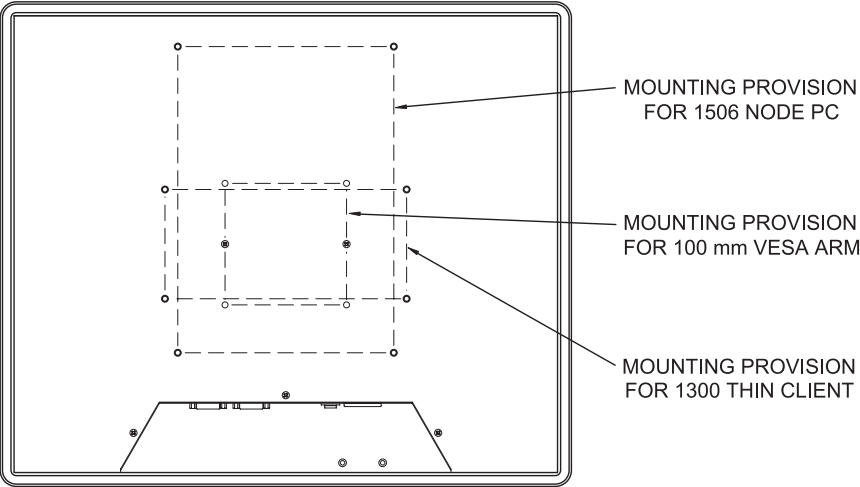
Model	5019T
Display Size (Active Area H x W)	14.82" (376.32 mm) x 11.85" (301.056 mm)
Resolution (1 pixel = R+G+B dots)	SXGA: 1280 x 1024
Display Colors	16 million
Brightness	300 Nit Typical
Contrast Ratio	700:1 Typical
Horizontal Viewing Angle	140° Typical
Vertical Viewing Angle	130° Typical
Backlight Life	50,000 Hours

Model	5019T
Height	15.70" (398.78 mm)
Width	18.51" (470.15 mm)
Mounting Depth	2.85" (72.39 mm)
Weight	21 lbs (9.52 kg)

5019T Cutout

17.79" +0.04" - 0.00"
(451.9 +1.02 =0.0mm)

14.98" +0.04" - 0.00"
(380.5 +1.02 =0.0mm)

18.51"

2.85"

15.70"

Power input

RS-232 Touch Output

USB Touch Output

OSD Lockout

DVI Input

15-pin VGA Input

5019T Mounting Provisions

MOUNTING PROVISION FOR 1506 NODE PC

MOUNTING PROVISION FOR 100 mm VESA ARM

MOUNTING PROVISION FOR 1300 THIN CLIENT

5019T with 1546 Node Box Attached

5019T with 1300 ThinCLIENT Attached

Environmental

	Operating	Nonoperating
Thermal	0°C to 50°C	-20°C to 60°C
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock	15g peak acceleration, 11 msec duration	30g peak acceleration, 11 msec duration
Vibration 5-2000 Hz	0.006" peak to peak displacement 1.0g maximum acceleration	0.015" peak to peak displacement 2.5g maximum acceleration

Electrical

AC power	100 - 240V AC, 0.8A, 50/60 Hz, 50 W nominal*
DC Power	18V DC - 30V DC @ 2.4 A maximum, 53 W nominal*, inrush current = 22 A max @ 24 V DC

* Nominal Power is measured for a base configuration only. Any additional expansion and/or devices will increase the input power required.

Regulatory Compliance

- EN 55022: Class A
- EN 61000-6-2
- EN 61000-3-2, Class A
- EN 61000-3-3
- IEC 60950-1

FCC
- 47 CFR, Part 15, Class A

Safety Agency Approvals:

- UL 508
- UL 1604 [a]
- CSA-C22.2, #142
- CSA-C22.2, #213 [a]

[a] Class I Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T4A

Front Panel

- NEMA 4/4X/12 and IP65

Warning: To maintain a safe condition, do not use USB when the unit is operating in the presence of a hazardous environment.

Example Order Number

To create an order number, follow the conventions defined by the example order numbers and product configurations.

Example Order Number

| 5019T | 19-inch NEMA 4/4X/12 SXGA (1280 x 1024), 16-million color Class I Div 2, Class II Div 2, color panel mount monitor with analog resistive touch screen and AC power input. Includes 10' VGA cable and 10' RS-232 & USB touchscreen cable, wireable AC input power receptacle, mounting hardware and documentation. |

<center>

5019T __ __

</center>

Power Supply
blank   AC Power Supply
-24V   24V DC Power Supply

Bezel
blank   Powder-coated Aluminum Bezel
-R   Rack Mount Front Panel [a]
-S   304 Stainless Steel Bezel [b]

[a] When ordering the Rack Mount Front Panel option, the 5019 is not NEMA rated.
[b] Screen adjustment buttons will be mounted on rear with Stainless Steel Bezel option.

Touchscreen Cables (ordered separately)

3000-CBL-03V	3' (1 m) coaxial VGA cable; connects monitor to standard VGA card
3000-CBL-10V	10' (3 m) coaxial VGA cable; connects monitor to standard VGA card
3000-CBL-25V	25' (7.5 m) coaxial VGA cable; connects monitor to standard VGA card
3000-CBL-50V	50' (15 m) coaxial VGA cable; connects monitor to standard VGA card
CBL-SER03MF	3' (1 m) serial communication cable, male to female
CBL-SER10MF	10' (3 m) serial communication cable, male to female
CBL-SER25MF	25' (7.5 m) serial communication cable, male to female
CBL-SER50MF	50' (15 m) serial communication cable, male to female
CBL-USB-03AB	3' (1 m) USB cable, type A to B
CBL-USB-10AB	10' (3 m) USB cable, type A to B
CBL-USB-16AB	16' (5 m) USB cable, type A to B

5017T Flat Panel Industrial Touch Monitor

17-inch TFT SXGA LCD

DS-300003(F)
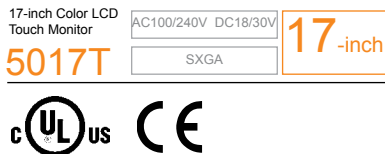
17-inch Color LCD Touch Monitor

5017T | AC100/240V DC18/30V | **17**-inch
| SXGA |

F E A T U R E S

- 2 year warranty on all 5000 Series monitors
- State-of-the-art TFT SXGA color LCD and converter card supporting resolutions up to 1280 x 1024 @ 75Hz, 16 million colors
- Sophisticated scaling engines produce excellent full screen images in all common VESA modes automatically
- Analog resistive touch screen and driver software with choice of RS-232 or USB interface (RS-232 standard)
- Analog Video (VGA) and Digital Video (DVI)
- Shallow mounting depth - only 2.9 inches deep
- Provision for 100mm VESA mounting arm on back of monitor
- Provision for mounting 1300-CLIENT or 1546 Node PC on back of monitor
- Simple installation using mounting clips - no studs
- 24V DC input power option
- Up to 50' cables (VGA & Serial touchscreen only)
  - DVI Cables limited to 10' (3m) maximum
  - USB Touchscreen Cables limited to 16' (5m) maximum
- NEMA 4/4X/12 front panel
- Front panel controls
- Optional stainless steel bezel
- UL listed for hazardous locations: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code T6

Pro-face/Xycom's new 5017T (17") is the latest addition to the high performance, yet cost-effective, 5000 Series of industrial flat panel monitors. With its two-year warranty and state-of-the-art electronics, the 5017T delivers superb display quality up to 1280 x 1024 (SXGA) resolution with a color depth of 16 million colors and analog resistive touch screen with serial or USB interfaces. The latest generation scaling capability assures high quality, full size images for all standard VESA modes up to SXGA - 75Hz. Options include 24V DC input power and stainless steel front bezels. The 5017T is certified for NEMA 4/4X/12 environments and meets UL hazardous location, Class I & II, Div 2 requirements.

Superb Display Quality

The 5017T (17") delivers superb display quality up to 1280 x 1024 (SXGA) resolution with a color depth of 16 million colors and touchscreen with either RS-232 or USB interface. Options include 24V DC input power and stainless steel bezel.

Convert Your 5017 to a Computer Workstation

The 5017 is designed to allow a Xycom 1300-Client or 1546 Node

PC to be mounted on the rear of the monitor. Just bolt the node to the back of the monitor, attach the cables, and your 5017 becomes a computer workstation.

Fits Your Needs

Other features include hazardous location - UL Class I & II, Division 2 compliance, 100mm VESA arm mount provision and front panel controls for convenient set up and adjustment. Special mounting clips make installation quick and simple.
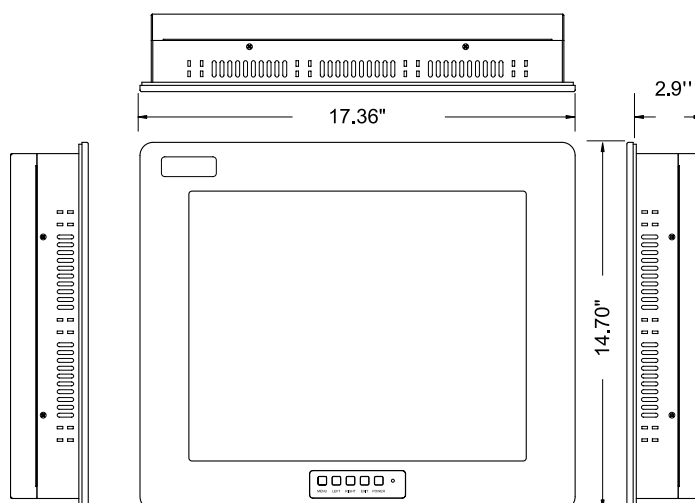
The 5017T offers VGA video input and Digital Video Input (DVI). All units are shipped with 10-foot VGA and serial cables (DVI cable must be ordered separately). A field-wireable input power receptacle is provided for connection to AC power
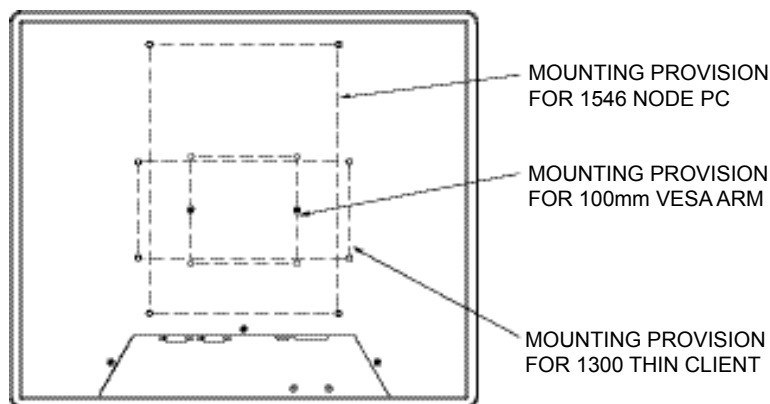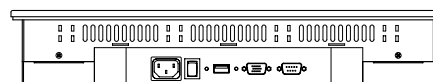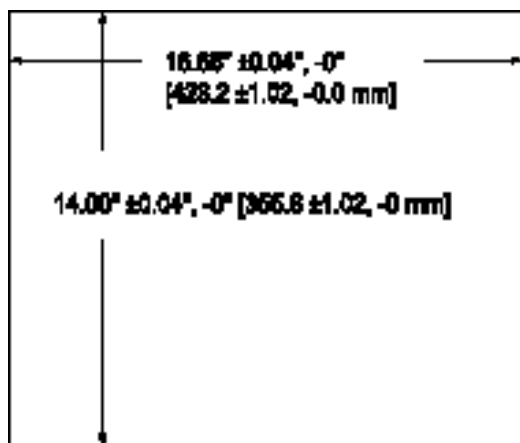
Model	5017T
Display Size **(Active Area H x W)**	13.30" (337.92 mm) x 10.64" (270.34 mm)
Resolution **(1 pixel = R+G+B dots)**	SXGA: 1280 x 1024
Display Colors	16 million
Brightness	250 Nit Typical
Contrast Ratio	400:1 Typical
Horizontal Viewing Angle	140° Typical
Vertical Viewing Angle	140° Typical
Backlight Life	50,000 Hours

Model	5017T
Width	17.36" (440.9 mm)
Height	14.70" (373.4 mm)
Mounting **Depth**	2.9" (73.66 mm)
Weight	18 lbs (8.2 kg)

5017T Cutout

16.65" ±0.04", -0"
[428.2 ±1.02, -0.0 mm]

14.00" ±0.04", -0" [355.6 ±1.02, -0 mm]

17.36"

2.9''

14.70"

MOUNTING PROVISION
FOR 1546 NODE PC

MOUNTING PROVISION
FOR 100mm VESA ARM

MOUNTING PROVISION
FOR 1300 THIN CLIENT

All dimensions are in inches (mm).

Environmental

	Operating	Nonoperating
Thermal	0°C to 50°C	-20°C to 60°C
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock	15g peak acceleration, 11 msec duration	30g peak acceleration, 11 msec duration
Vibration 5-2000 Hz	0.006" peak to peak displacement 1.0g maximum acceleration	0.015" peak to peak displacement 2.5g maximum acceleration
Altitude	Sea level to 10,000 ft.	Sea level to 40,000 ft.

Electrical

Model	5017T
AC power	100 - 240V AC, 1A, 50/60 Hz, 49 W nominal*
DC Power	18V DC - 30V DC @ 2.3 A maximum, 44 W nominal*, inrush current = 22 A max @ 24 V DC

* Nominal Power is measured for a base configuration only. Any additional expansion and/or devices will increase the input power required.

Front Panel

- NEMA 4/4X/12 and IP65

Regulatory Compliance

- EN 55022: Class A
- EN 61000-6-2
- IEC 60950-1
- EN 61000-3-2, Class A
- EN 61000-3-3

FCC

- 47 CFR, Part 15, Class A

Safety Agency Approvals:
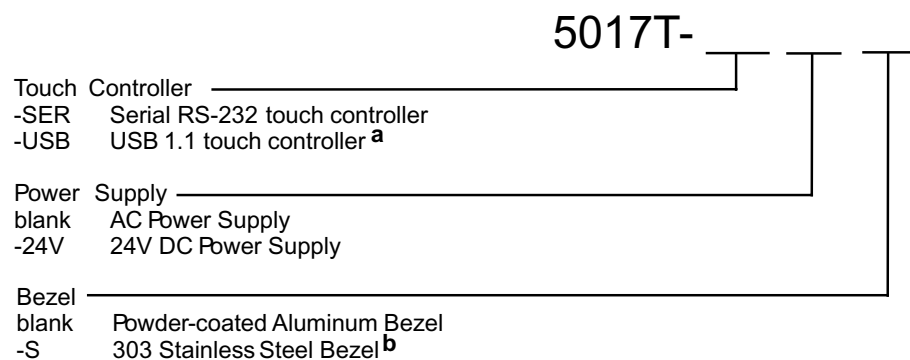
- UL 508
- UL 1604 [a]

[a] Class I Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T6

Warning: To maintain a safe condition, do not use the USB port when the unit is operating in the presence of a hazardous environment.

To create an order number, follow the conventions defined by the example order numbers and product configurations.

Example Order Number

5017T-SER 17-inch NEMA 4/4X/12 SXGA (1280 x 1024), 16-million color Class I & II, Div 2, color panel mount monitor with analog resistive touch screen and AC power input. Includes 10' VGA cable (Part #3000-CBL-10V), wireable AC input power receptacle, mounting hardware and documentation.

$$5017T-\underline{\quad}\ \underline{\quad}\ \underline{\quad}$$

Touch Controller
-SER   Serial RS-232 touch controller
-USB   USB 1.1 touch controller [a]

Power Supply
blank   AC Power Supply
-24V   24V DC Power Supply

Bezel
blank   Powder-coated Aluminum Bezel
-S   303 Stainless Steel Bezel [b]

[a] USB driver support for Windows 98, 2000, and XP only.
[b] Screen adjustment buttons will be mounted on rear with Stainless Steel Bezel option.

Touchscreen Cables (ordered separately)

3000-CBL-03V	3' (1 m) coaxial VGA cable; connects monitor to standard VGA card
3000-CBL-10V	10' (3 m) coaxial VGA cable; connects monitor to standard VGA card
3000-CBL-25V	25' (7.5 m) coaxial VGA cable; connects monitor to standard VGA card
3000-CBL-50V	50' (15 m) coaxial VGA cable; connects monitor to standard VGA card
CBL-SER03MF	3' (1 m) serial communication cable, male to female
CBL-SER10MF	10' (3 m) serial communication cable, male to female
CBL-SER25MF	25' (7.5 m) serial communication cable, male to female
CBL-SER50MF	50' (15 m) serial communication cable, male to female
CBL-USB-03AB	3' (1 m) USB cable, type A to B
CBL-USB-10AB	10' (3 m) USB cable, type A to B
CBL-USB-16AB	16' (5 m) USB cable, type A to B

Pro-face America
Phone: 734-429-4971
Fax: 734-429-1010
http://www.profaceamerica.com

Customer Support Hotline: 734.944.0482

For more information

Pro-face

5012KPM(T) and 5015KPM(T)

Flat Panel Industrial Touch Monitors

DS-300004(D)

12 and 15-inch Color LCD
Touch Monitor

AC100/240V DC28/30V	
5012KPM(T)/	SVGA
5015KPM(T)	XGA

12-inch **15**-inch

Pro-face®
XYCOM™

FEATURES

- 2-year warranty
- Bright 12" or 15" state-of-the-art Thin Film Transistor (TFT) LCD
- Integrated customizable membrane keyboard
- Integrated Interlink Versapoint pointing device
- Optional analog resistive touch screen
- Powder-coated cast aluminum NEMA 4/4X/12 front bezel
- Front panel brightness adjustments
- Front panel connections for PS/2 keyboard and mouse, and one USB device
- Optional 24VDC input power
- Shallow mounting depth
- 5012KPM(T) is 19" EIA rack-mountable and 9403 cutout compatible
- 5015KPM(T) is 19" EIA rack-mountable and 3015KPM(T) cutout compatible
- UL 508 listed and CE certified
- Approved for Hazardous Locations: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code T4A

The new 5012KPM(T) and 5015KPM(T) are the latest additions to Pro-face/Xycom's ever expanding line of Industrial LCD Flat Panel Monitors. Equipped with full alphanumeric membrane keyboards, Interlink Versapoint pointing devices, and optional analog resistive touch screens, these monitors offer the ultimate in flexibility for human interface to a PC. Users may connect a PS/2 keyboard and mouse, and one USB device to sealed front panel connectors. High performance 12" (5012KPMT) and 15" (5015KPMT) LCD's deliver superb display quality. Like all Pro-face/Xycom 5000 Series monitors, the 5012KPM(T) and 5015KPM(T) are UL508 listed, CE compliant and UL approved for use in Class I & II, Division 2 Hazardous Locations. Whether you choose a Pro-face/Xycom industrial node computer or a "white box" PC for your next control application, no other Industrial Monitors offer more features than the new Pro-face/Xycom 5012KPM(T) and 5015KPM(T) monitors.

Customizable Membrane Keypad

Both the 5012KPM(T) and 5015KPM(T) are equipped with sealed tactile 74-position membrane keypads that provide full alphanumeric and function key operator input. 40 of the keys are special function keys that are relegendable. (There are replaceable slide-in insert strips that allow customers to customize the key legends.) With the included programming utility, keyboard scan codes can be modified and strings of keystrokes can be programmed into selected keys, providing the ultimate in input flexibility.

High Performance Displays

State-of-the-art Thin Film Transistor (TFT) LCD's are used in the new 5012KPM(T) and 5015KPM(T) monitors. The 5012KPM(T) utilizes a 12" SVGA (800 x 600) LCD, while the 5015KPM(T) contains a 15" XGA (1024 x 768) LCD. Both LCD's have wide vertical and horizontal viewing angles, as well as excellent brightness and contrast. Built-in scaling engines allow lower resolution images to be displayed full-size with excellent image quality (640 x 480 on the 5012KPM(T); both 640 x 480 and 800 x 600 on the 5015KPM(T). Long life backlights ensure years of dependable performance.

DISPLAY SPECIFICATIONS

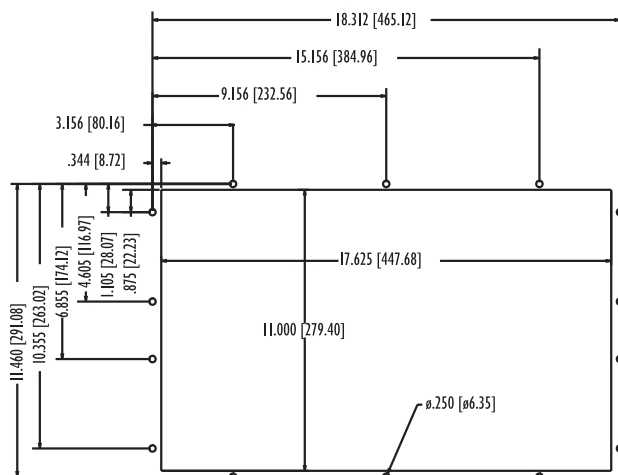| Model	**5012KPM(T)**
Display Size (Active Area H x W)	9.685" (246.0 mm) x 7.264" (184.5 mm)
Resolution (1 pixel = R+G+B dots)	SVGA: 800 x 600
Display Colors	260,000
Brightness	350 Nit
Contrast Ratio	500:1 (typical)
Horizontal Viewing Angle	120° (typical)
Vertical Viewing Angle	90° (typical)
Backlight Life	50,000 hours

Model	**5015KPM(T)**
Display Size (Active Area H x W)	11.972" (304.1 mm) x 8.98" (228.1 mm)
Resolution (1 pixel = R+G+B dots)	XGA: 1024 x 768
Display Colors	16.7 million
Brightness	300 Nit
Contrast Ratio	450:1 (typical)
Horizontal Viewing Angle	160° (typical)
Vertical Viewing Angle	150° (typical)
Backlight Life	50,000 hours

PRODUCT AND MOUNTING DIMENSIONS

Model	**5012KPM(T)**
Height	12.25" (311.12 mm)
Width	19.00" (482.6 mm)
Mounting Depth	2.65" (67.31 mm)
Weight	16.2 lbs (7.48 kg)

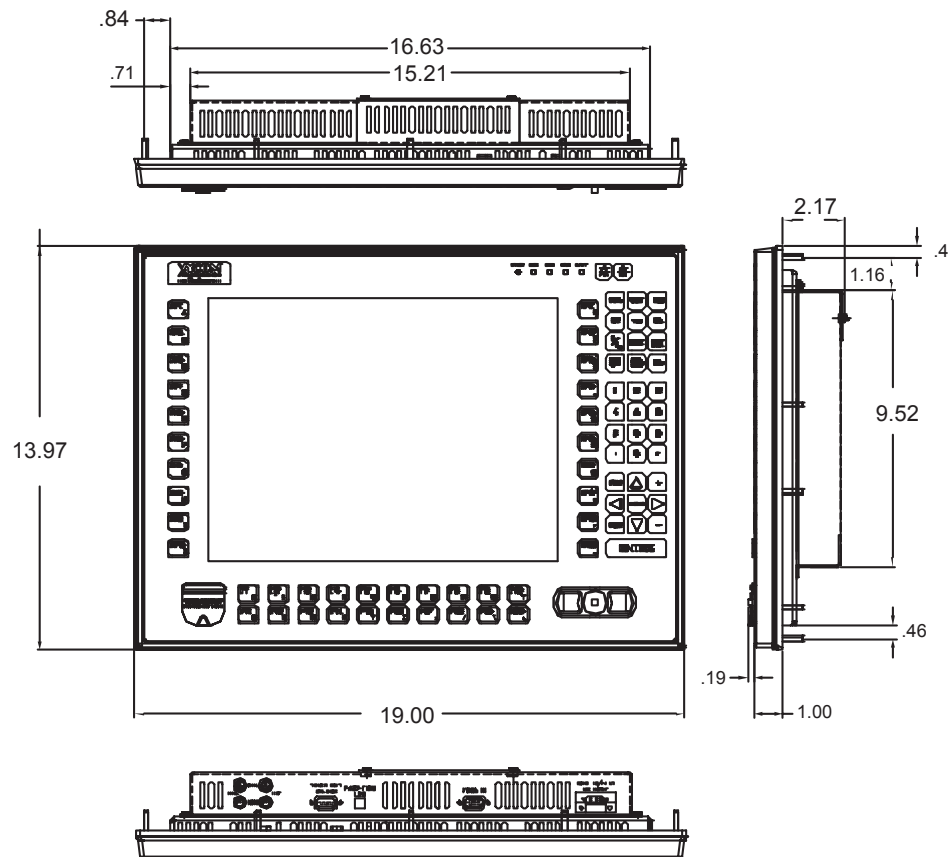| Model	**5015KPM(T)**
Height	13.97" (354.9 mm)
Width	19.00" (482.6 mm)
Mounting Depth	2.55" (64.77 mm)
Weight	18.9 lbs (8.55 kg)
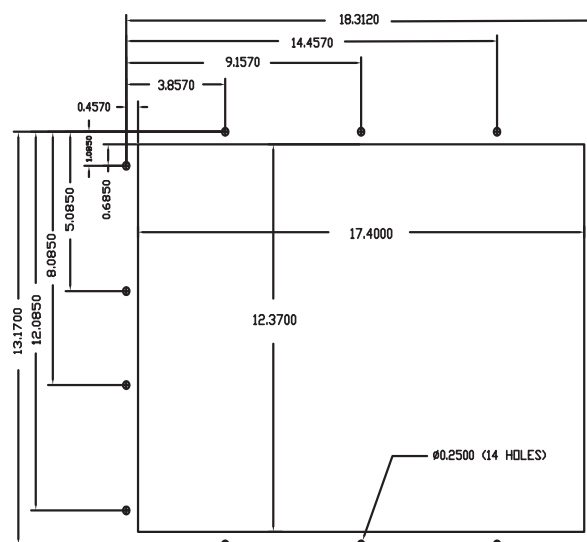
All dimensions are in inches (mm).

5012KPM(T) Unit Dimensions
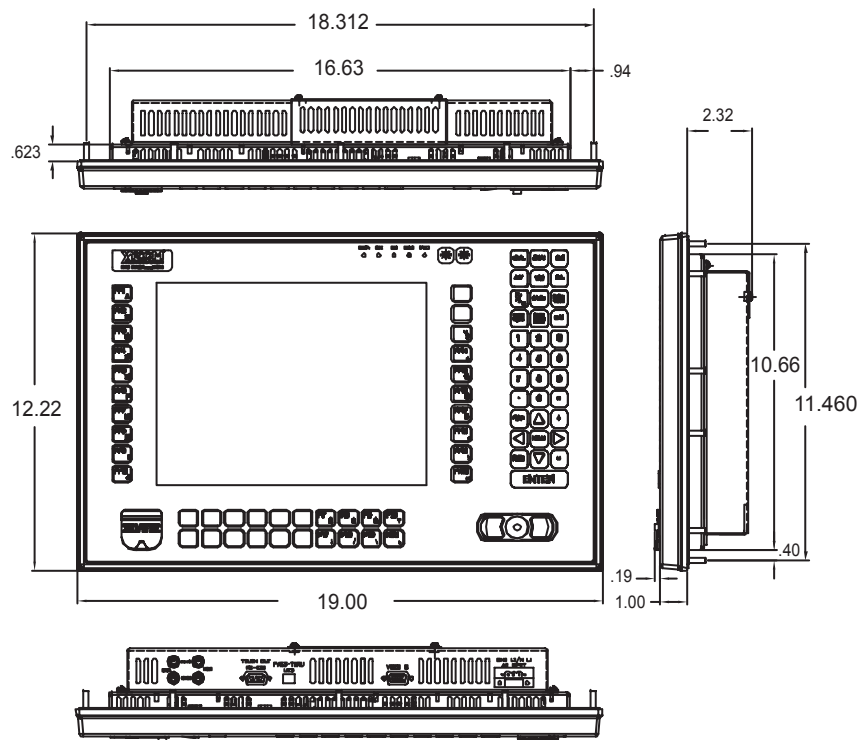
5015KPM(T) Unit Dimensions

PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Non-operating
Thermal	0°C to 50°C	-20°C to 60°C
Humidity	20% to 80% RH, non-condensing	20% to 80% RH, non-condensing
Shock	15g peak acceleration, 11 msec duration	30g peak acceleration, 11 msec duration
Vibration 5-2000 Hz	0.006" peak to peak displacement 1.0g maximum acceleration	0.015" peak to peak displacement 2.5g maximum acceleration
Altitude	Sea level to 10,000 ft.	Sea level to 40,000 ft.

Electrical

Model	**5012KPM(T)**	**5015KPM(T)**
AC power	100 - 240V AC, 1A, 50/60 Hz, 25 W nominal*	100-240V AC 1A, 50/60 Hz 35 W nominal*
DC Power	28V DC - 30V DC @ 2.3 A maximum 30 W nominal*, inrush current = 22 A max @ 24 V DC	28V DC - 30V DC @ 2.6 A maximum 40 W nominal*, inrush current = 22 A max @ 24 V DC

* Nominal Power is measured for a base configuration only. Any additional expansion and/
or devices will increase the input power required.

Front Panel

- NEMA 4/4X/12 and IP65

Regulatory Compliance

- EN 55022: Class A
- EN 61000-6-2
- IEC 60950-1
- EN 61000-3-2, Class A
- EN 61000-3-3

FCC
- 47 CFR, Part 15, Class A

Safety Agency Approvals:

- UL 508
- UL 1604 [a]

- CSA-C22.2, #142
- CSA-C22.2, #213 [a]

c(UL)us CE

[a] Class I Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T4A

ORDERING INFORMATION

To create an order number, follow the conventions defined by the example order numbers and product configurations.

Example Order Number

Order Number	Description
5012KPM	Panel mount 12-inch LCD monitor with 800 x 600 resolution, 260K color, Class I Div 2, Class II Div 2, 74-key reprogrammable/relegendable membrane keyboard, Interlink Vesapoint pointing device and AC power input. Includes 10' VGA cable (Part No. 3000-CBL-10V), 3m USB cable (Part No. CBL-USB-10AB), terminal block for creating AC power connection, and user documentation.
5012KPMT	Same as above with analog resistive touch screen. Includes 10' serial cable (Part No. CBL-SER-10MF) and driver software.
5015KPM	Panel mount 15-inch LCD monitor with 1024 x 768 resolution, 16.7 million color, Class I Div 2, Class II Div 2, 74-key reprogrammable/relegendable membrane keyboard, Interlink Versapoint pointing device and AC power input. Includes 10' VGA cable (Part No. 3000-CBL-10V), 3m USB cable (Part No. CBL-USB-10AB), 10' keyboard/mouse cable (Part NO. CBL-KM-10), terminal block for creating AC power connection and, user documentation.
5015KPMT	Same as above with analog resistive touch screen. Includes 10' serial cable (Part No. CBL-SER-10MF) and driver software.

Resolution and Display Size

5012KPM	SVGA (800x600) 12-inch, No touch screen
5012KPMT	SVGA (800x600) 12-inch, Resistive touch screen
5015KPM	XGA (1024x768) 15-inch, Resistive touch screen
5015KPMT	XGA (1024x768) 15-inch, No touch screen

Power Supply

blank	AC Power Supply
-24V	24VDC Power Supply

Accessories (ordered separately)

Order Number	Description
3000-CBL-10V	10' (3 m) coaxial VGA cable; connects monitor to standard VGA card
3000-CBL-25V	25' (7.5 m) coaxial VGA cable; connects monitor to standard VGA card (consult factory for use with KPMT monitors)
3000-CBL-50V	50' (15 m) coaxial VGA cable; connects monitor to standard VGA card (consult factory for use with KPMT monitors)
CBL-SER10MF	10' (3 m) serial communication cable, male to female
CBL-SER25MF	25' (7.5 m) serial communication cable, male to female (consult factory for use with KPMT monitors)
CBL-SER50MF	50' (15 m) serial communication cable, male to female (consult factory for use with KPMT monitors)
CBL-PS2-10	10' (3m) PS/2 keyboard and mouse cable
3000-USB-03AB	3' (1m) USB touch cable, type A to B

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Customer Support Hotline: 734.944.0482

For more information

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United States   Canada   Mexico

5015T/R2 Industrial Flat Panel
Touch Monitor

DS-300005(D)

| 15-inch Color LCD Touch Monitor | AC100/240V DC18/30V | **15**-inch |
| 5015T/R2 | XGA | |

CE UL cUL

Pro-face XYCOM

Pro-face/Xycom's 5015T/R2 15" industrial flat panel touch monitor offers state-of-the-art performance and features at a very competitive price.

FEATURES

- 2-year warranty
- State of the art 15" TFT XGA color LCD supporting resolutions up to 1024 x 768 @ 75Hz, 265K colors
- Sophisticated scaling engine produces excellent full screen images in all common VESA modes automatically
- Analog resistive touch screen and driver software standard (USB or Serial connections available - only one cable can be used at a time)
- Analog View (VGA) and Digital Video Input (DVI)
- Mounts in 5015T or XT1502 cutouts with included mounting spacers
- Shallow mounting depth - only 2.85" deep
- Powder coated aluminum front bezel (stainless steel front bezel optional)
- Provision for 75mm VESA arm mounting on back of monitor
- Simple installation using mounting clips - no studs
- 24V DC input power option
- Up to 50' cables (10' USB and Serial touch screen cables included)
- NEMA 4/4X/12 front panel
- UL, cUL & CE
- UL listed for Hazardous Locations: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F and G; Temp. Code: T6

Superb Display Quality

The 5015T/R2 delivers superb display quality up to 1024 x 768 (XGA) resolution with a color depth of 265K colors.

The latest generation scaling capability assures high quality, full-sized images for all standard VESA modes up to XGA @ 75Hz.

Precision Manufacturing for Harsh Environments

The 5015T/R2 is constructed using a aluminum front bezel providing trouble free service in hostile NEMA 4/4X/12 environments. An optional stainless steel front bezel is now available. The 5015T/R2 now offers a 24V DC input power option.

Fits Your Needs

Other features include Hazardous Location - UL Class 1 Division 2, Class 2 Division 2 compliance, an integrated analog resistive touch screen and special mounting clips for quick and easy installation.

All units are shipped with ten foot USB and serial touch screen cables and drivers. Only one cable can be used at a time.

Cutout Compatibility

The 5015T/R2 mounts easily in previous 5015T and XT1502 monitors cutouts with the included mounting spacers. Requires no change in existing panel cutout.

Page 1

Courtesy of Steven Engineering, Inc. ● 230 Ryan Way, South San Francisco, CA 94080-6370 ● General Inquiries: (800) 670-4183 ● www.stevenengineering.com

DISPLAY SPECIFICATIONS

	5015T/R2
Display Size (Active Area H x V)	11.97" (304.1 mm) x 8.98" (228.1 mm)
Resolution (1 pixel = R+G+B dots)	XGA: 1024 x 768
Display Colors	265K
Brightness	350 Nit Typical
Contrast Ratio	400:1 Typical
Horizontal Viewing Angle	120°
Vertical Viewing Angle	100°
Backlight Life	50,000 Hours

PRODUCT AND MOUNTING DIMENSIONS
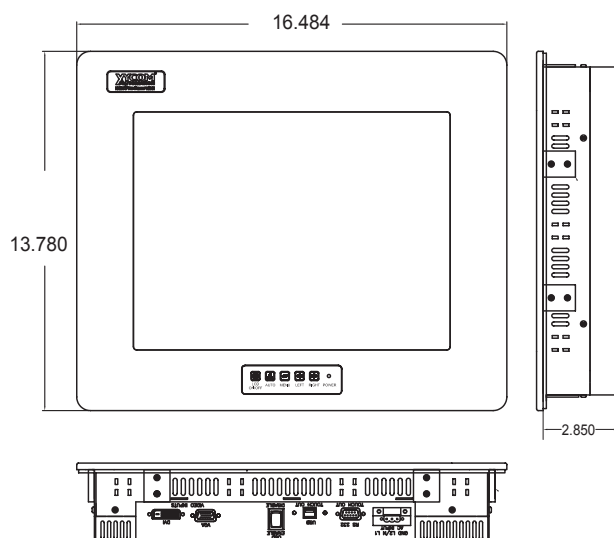
5015T/R2 Unit Dimensions

Width	16.485" (418.7 mm)
Height	13.78" (350 mm)
Mounting Depth	2.85" (72.3 mm)
Weight	15 lbs (7.0 kg)

PRODUCT CUTOUT DIMENSIONS

5015T/R2 Cutout Dimensions

15.30" ±0.04", -0" [388.6 ±1.02, -0.0 mm]

12.76" ±0.04", -0" [324.1 ±1.02, -0 mm]
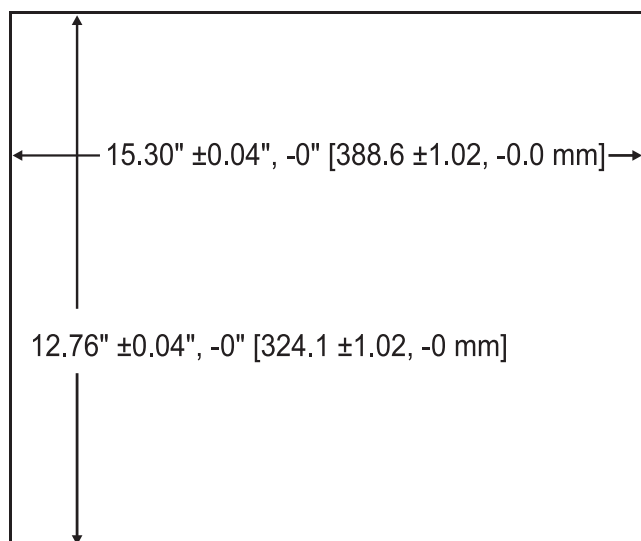
Temperature Specifications

When installing your 5015T/R2 into an enclosure, extra care should be exercised to ensure that the ambient air around the unit (inside your enclosure, not outside the enclosure) does not exceed 50°C. Exceeding 50°C may cause premature degeneration of the unit.
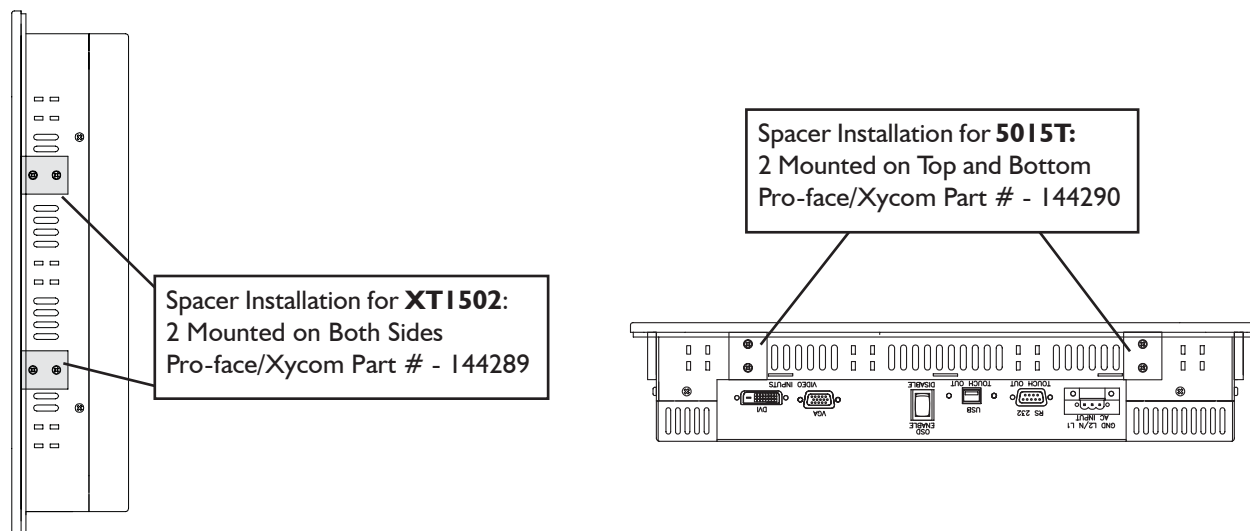
Even though the 5015T/R2 is a very compact unit, care still needs to be exercised when installing the 5015T/R2 into an undersized enclosure. Consult your enclosure manufacturer for proper sizing and/or cooling options. The product specifications and ratings section of this datasheet contains the information your enclosure manufacturer will require.

Page 2
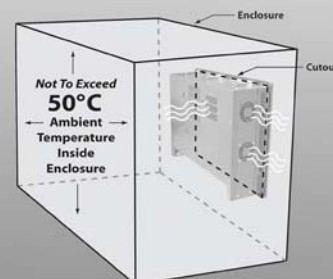
5015T/R2 Mounting with Spacers

The 5015T/R2 will mount directly in previous 5015T version and XT1502 cutouts with included mounting spacers. See diagrams below.

Spacer Installation for **5015T:**
2 Mounted on Top and Bottom
Pro-face/Xycom Part # - 144290

Spacer Installation for **XT1502:**
2 Mounted on Both Sides
Pro-face/Xycom Part # - 144289

PRODUCT SPECIFICATIONS AND RATINGS

Environmental

	Operating	Nonoperating
Thermal	0°C to 50°C	-20°C to 60°C
Humidity	20% to 80% RH, noncondensing	20% to 80% RH, noncondensing
Shock	15g peak acceleration, 11 msec duration	30g peak acceleration, 11 msec duration
Vibration 5-2000 Hz	.006" peak to peak displacement 1.0g maximum acceleration	.015" peak to peak displacement 2.5g maximum acceleration
Altitude [a]	Sea level to 10,000 ft.	Sea level to 40,000 ft.

a Consistent with internal component specifications.

Electrical

AC power	100 - 240V AC, 0.6A maximum, 50/60 Hz, 27 W nominal*
DC Power	18V DC - 30V DC @ 1.4A maximum, 26 W nominal*, inrush current - 22 A max @24 V DC

* Nominal Power is measured for a base configuration only. Any additional expansion and/or devices will increase the input power required.

Front Panel

- NEMA 4/4X/12 and IP65

Regulatory Compliance

CE
- EN 55022: Class A
- EN 61000-6-2
- EN 60950-1
- EN 61000-3-2, Class A
- EN 61000-3-3

FCC
- 47 CFR, Part 15, Class A

Safety Agency Approvals:

- UL 508 Listed
- UL 1604 Listed*

- cUL CSA C22.2, #142 Listed
- cUL CSA C22.2, #213 Listed*

* Class I, Division 2, Groups A, B, C, D;
 Class II, Division 2, Groups F and G;
 Temp. Code: T6

ORDERING INFORMATION

To create an order number, follow the conventions defined by the example order numbers and product configurations.

Example Order Number

Order Number	Description
5015T/R2	15-inch NEMA 4/4X/12 industrial flat panel TFT XGA (1024 x 768) color monitor with resistive touchscreen. Includes AC Power Supply, 10 ft. USB and Serial touch screen cables*, mounting hardware, documentation and touchscreen drivers

5015T/R2-__ __

* Only one cable can be used at a time.

Power Supply
blank   AC Power Supply
-24V   24V DC Power Supply

Bezel
blank   Powder-coated Aluminum Bezel
-S   303 Stainless Steel Bezel [a]

[a] Screen adjustment buttons will be mounted on rear with Stainless Steel Bezel option.

Cables (ordered separately)

Order Number	Description
3000-CBL-10V	10 ft. (3 m) coaxial VGA cable [male-male]; connects monitor to standard VGA card
3000-CBL-25V	25 ft. (7.5 m) coaxial VGA cable [male-male]; connects monitor to standard VGA card
3000-CBL-50V	50 ft. (15 m) coaxial VGA cable [male-male]; connects monitor to standard VGA card
CBL-SER10MF	10 ft. (3 m) serial communication cable
CBL-SER25MF	25 ft. (7.5 m) serial communication cable
CBL-SER50MF	50 ft. (15 m) serial communication cable
3000-USB-03AB	3 ft. (1 m) USB Touch Cable
3000-USB-10AB	10 ft. (3 m) USB Touch Cable

Adapter Plates for 5015T/R2 Monitors

Order Number	Description
MTG-RM5015T/R2	Adapter panel for mounting 5015T/R2 **(NOT 5015T)** in 19" rack. Panel measures 14.00" (8U) in height.
MTG-RM5015	Adapter panel for mounting 5015T **(NOT 5015T/R2)** in 19" rack. Panel measures 14.00" (8U) in height.
MTG-PM5015-3015	Adapter plate for panel mounting a 5015T or 5015T/R2 in place of a 3015. Requires a minimum of 15.4" of vertical panel space
MTG-PM5015-9407	Adapter plate for panel mounting a 5015T or 5015T/R2 in place of a 9407. Requires a minimum of 15.4" of vertical panel space

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Fax: 734-429-1010
http://www.profaceamerica.com

Customer Support Hotline: 734.944.0482

For more information

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Pro-face

FP2000 Series Monitors

10.4" and 12.1" TFT Color Displays, Serial/USB Touch Interfaces

FP2500-T42-24V
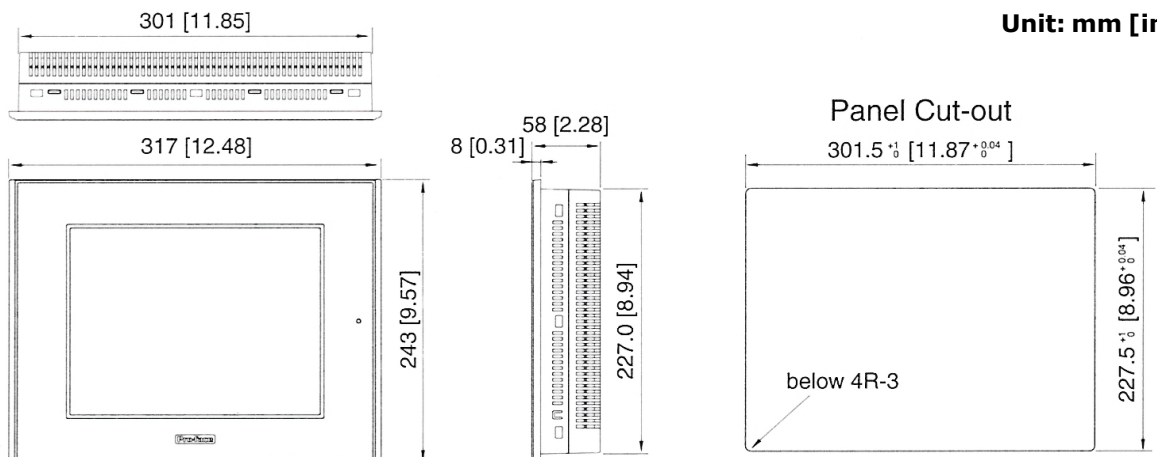10.4" TFT VGA (640 x 480) Display

FP2600-T42-24V
12.1" TFT SVGA (800 x 600) Display

CE UL cUL

FEATURES

- Bright, wide-viewing angles
- TFT 262,144 Color LCD
- User Replaceable Backlight (Lifetime 50,000h)
- Analog Resistive Touch Screen
- Analog Video or DVI Video Interfaces
- Serial or USB Touchscreen Interfaces
- On-Screen Display Menu (VGA mode only)

- VESA Mount Compatible
- Compact Body (58mm [2.28in.] Depth)
- NEMA #250 TYPE4x/12 Front Face
- UL & cUL Approvals (Indoor use only)
- Class I, Division 2 Hazardous Location Approval (Indoor use only)
- European CE Approval
- Panel Cut-out compatibility with Pro-face GP/GLC2500 and GP/GLC2600

EXTERNAL DIMENSIONS

Unit: mm [in.]

301 [11.85]

317 [12.48]

243 [9.57]

58 [2.28]

8 [0.31]

227.0 [8.94]

Panel Cut-out

301.5 +1/0 [11.87 +0.04/0]

227.5 +1/0 [8.96 +0.04/0]

below 4R-3

FP2000 SERIES SPECIFICATIONS

FUNCTIONAL SPECIFICATIONS

Model		FP2500-T42-24V	FP2600-T42-24V
Display	Type	10.4" TFT Color LCD	12.1" TFT Color LCD
	Colors	262,144 colors	
	Backlight	User replaceable CCFL (Service life: 50,000 hrs.)	
	Resolution	640 x 480 pixels	800 x 600 pixels
	Effective Display Area (mm)	211.2(W) x 158.4(H)	246.0(W) x 184.5(H)
	Brightness Control	Available only when using analog RGB connection	
	Touch Panel	Resistive Film (analog)	
Interfaces	VGA Video	Analog RGB	
	DVI Video	Digital Visual Interface	
	Serial Touchscreen	RS-232C	
	USB Touchscreen	USB 1.0 (Connector B type)	

GENERAL SPECIFICATIONS

Electrical	Input Voltage	24VDC	
	Rated Voltage Range	19.2DC to 28.8V	
	Allowable Voltage Range	10 µs or less	
	Power Consumption	50W or less	
	Voltage Endurance	1000VAC, 20mA for up to 1 minute (between charging and FG terminals)	
	Insulation Resistance	10M ohm or higher at 500VDC (between charging and FG terminals)	
Environmental	Operating Temperature	0°C to 50°C (panel interior and panel face)	
	Storage Temperature	-10°C to +60°C	
	Ambient Humidity	30%RH to 90%RH (non-condensing)	
	Storage Humidity	30%RH to 90%RH (non-condensing)	
	Vibration Resistance	10Hz to 25Hz 19.6m/s2 X,Y,Z directions (30min.)	
	Noise Immunity	Noise Voltage: 1000Vp-p Pulse Duration: 1µs Rise Time: 1ns	
	Atmosphere	Free of corrosive gases	
	Grounding	Protective/Function grounding: D-Type grounding	
Structural	Ratings	Equivalent to IP65f / Nema #250 Type 4x/12 (front panel only)	
	Cooling Method	Natural air circulation	
	External Dimensions	W317mm [12.48in.] x H243mm [9.57in.] x D58mm [2.28in.]	
	Weight	approx. 3.5kg (7.72lb)	

ORDERING INFORMATION

BASE ORDER NUMBERS	DESCRIPTIONS
FP2500-T42-24V-VGA-SER	10.4" Flat Panel Monitor, VGA Video and Serial Touchscreen Cables
FP2600-T42-24V-VGA-SER	12.1" Flat Panel Monitor, VGA Video and Serial Touchscreen Cables

FP2500-T42-24V-____ ____

Video Connector & Cable
VGA   VGA Video, 5M
DVI   DVI Video, 5M

T/S Connector & Cable
SER   Serial T/S, 5M
USB   USB T/S, 5M

FP2600-T42-24V-____ ____

Video Connections & Cables
-VGA   VGA Video Connection & Cable, 5M
-DVI   DVI Video Connection & Cable, 5M

T/S Connections & Cables
-SER   Serial T/S Connection & Cable, 5M
-USB   USB T/S Connection & Cable, 5M

MONITOR ACCESSORIES

FP61V-IS00-O	Serial T/S Cable, 5M
FP-CV01	VGA Video Cable, 5M
FP-DV01-50	DVI Video Cable, 5M
FP-US00	USB T/S Cable, 5M
PSL-DF00	Cover Sheets (5 per pack)

Customer Support Hotline:
734-944-0482

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