

TSD-45-17

17" Waterproof Touchscreen Monitor



Key Highlights

- 17" Resistive or Projected Capacitive Touchscreen
- Full-Flush LCD Display
- IP66/IP69K Fully Enclosed Fanless Design
- Optional 1000 nit High Brightness and Optical Bonding
- M12 Metal I/O Connectors

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This TSD-45-17 is a fully waterproof touchscreen display, ideal for food and beverage manufacturing facilities, clean rooms, and even outdoor applications. This unit is IP66/IP69K rated and NEMA 4x compliant. The grade 304 stainless steel housing ensures that the monitor will not rust, even if exposed to water and moisture daily. You can also upgrade to grade 316L stainless steel, for settings exposed to salt water. The on-screen display (OSD) controls placed on the rear of the monitor allow for quick adjustments of display settings and the IOs are protected by M12 metal connectors, included with the unit. The TSD-45 series comes in screen sizes from 10" up to 24" and in various screen ratios, so you can choose the best configuration for your application.

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Technical Specifications

Display	
Screen Size	17"
Screen Ratio	4:03
Brightness	350 nits, Optional 1000 nit High Brightness

Power	
Input Voltage Range	9~36V DC
Max Power Consumption	19W

Thermal & Environmental	
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Storage Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Cooling Solution	Passive – Fanless
Humidity Range	10% ~ 90% Non-condensing

Weight / Dimensions	
Weight	7.5 kg (16.5 lbs)
Dimensions	432 x 358 x 55 mm (17.0 x 14.1 x 2.2 in)

Warranty	
Warranty	Up to 5 Years

Specifications subject to change.

Touch Screen	
Touch Screen	Projected Capacitive, Resistive

External I/O Ports	
USB	1x MI2 USB
Power Input Port	MI2 type 3-PIN DC-in

Multimedia	
Speakers	Optional Speaker

Enclosure	
Material	Optional SUS316 Stainless Steel, SUS304 Stainless Steel
IP Rating	IP66, IP69K
Control Buttons	On-Screen Display (OSD), Touchscreen Lock for Cleaning
Mounting Options	VESA 75 Mount, Yoke Mount
Approved Cleaning Solutions	Acetone, Alcohol, Club Soda, Hydrochloric Acid, Methyl Alcohol, Mineral Spirits, Nitric Acid, Sulfuric Acid (low concentration), Vinegar, Warm Water

Certification	
Certifications	CE, FCC Class A

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I/O Diagram Images



HDMI

VGA

Touch

DC 9~36V

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Technical drawing of the P1000-30 unit, showing front, side, and top views with dimensions in mm.

Front View Dimensions:

- Overall width: 432
- Inner width: 339.92
- Overall height: 358
- Inner height: 272.34

Side View Dimensions:

- Top flange width: 55.3
- Mounting hole offset from top: 50
- Bottom flange width: 40

Top View Dimensions:

- Panel width: 432
- Panel height: 358
- Mounting hole offset from top: 50
- Mounting hole offset from side: 40
- Panel thickness: 141.5
- Mounting hole diameter: 4-M6
- Panel label: P1000-30
- Panel label offset from top: 75
- Panel label offset from side: 75
- Panel label offset from bottom: 141.5
- Panel label offset from right: 40

UNIT: mm
Tolerance: ± 0.5

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