



The **7-inch Touch Panel Display** can control Acuity laser sensors and display their distance readings. Using serial communications, this smart terminal includes software applications for calculating thickness and other dimensions without the need for a computer or software programming.

Touch Panel Display

Product Description

The Acuity™ 7" Touch Panel Display is a stand-alone industrial PC interface for use with Acuity laser distance sensors. These fully enclosed units replace panel meters, alphanumeric displays and analog controllers by providing a modern interface through a full-color LCD and touch screen.

The Touch Panel Display communicates with one or two Acuity sensors using RS-232 serial interfaces. The touch panel can be easily configured using on-screen buttons to display, scale, and even graph the sensors' distance outputs. Relative dimensions can be measured using a tare function. With two Acuity sensors, the touch panel can serve as a thickness gauge. Limits can be programmed into the touch panel to give a visual warning to operators that the target is too close or too far or too thick or too thin. With a USB flash drive, measurements can be logged and saved for further analysis.



Features/Benefits

- Eliminates the need for software program development to manipulate and display dimensional data from Acuity sensors
- Single laser, dual laser, or dual laser thickness mode offered
- Support for Acuity single point lasers: AR100, AR200, AR500, AR550, AR700, AR1000, AR2000, AR2500, AR3000
- Accepts user-defined distance offsets and offers a TARE function through the touch screen interface
- Bright and easy-to-read display can be mounted in industrial panels or in your work area
- Display units for meter, foot decimal, foot fraction, inch decimal, inch fraction, cm, mm
- Decimal place display configurable from 0 to 9
- Average number of readings as rolling average or batch average
- Data logging up to 250MB of data in rolling tab delimited text files, downloadable to USB thumb drive.
- Configurable system clock for date-time stamping of data logs
- Upper and lower warnings and limits. When measurement exceeds warning, display turns orange. When measurement exceeds limit, display turns red
- List view and graph view to show latest 50 samples
- Secured Linux OS for security and reliability
- Remote update for latest installation software

Touch Panel Display Specifications

	7" Screen Size
Supply Power	9~30 VDC
Enclosed Outside Dimensions	191 W x 127 H x 43 D mm
Display Viewing Area	182 W x 111 H mm
Viewing angles (H-V)	150° / 145°
Screen Resolution	1024 x 600 (16:9)
Display Brightness	500 cd/m ² , Average Screen Lifespan– 20,000 hours
Touch Panel Type	Projected capacitive type
Operating Temperature	-20°C~50°C (ambient with air flow)
Humidity	10% to 95% (Non-Condensing)
Environmental	NEMA – 4X, IP 65 compliant front panel
Weight	1.61 lbs.
Input / Output	2 x RS-232 COM port (DB-9 connector), 2 x USB 3.0, 2 x GbE LAN, 1 x Power switch, 1 x Reset button, 1 x AT/ATX switch, 1 x 9-30V Lockable power jack
Mounting	Panel, Wall, Stand, Arm VESA 75mm x 75mm
Safety	CE / FCC

Touch Panel Display Dimensions (units in mm)

