Acuity®

Productivity through Precision.

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Acuity® AR2700 Ordering Guide

AR2700 Sensor Part Number Information

AR2700	
Part#	**Description**
	AR2700 Laser Sensors
AP2700232	AR2700 Sensor: RS232/RS422, 4-20mA
	AR2700 Cables
AP2500007	Cable Assembly: AR2700 sensor unit 2m
	AR2700 Connectivity Kits
AQ7000001	Connectivity Kit – US Plug
AQ7000002	Connectivity Kit – EU Plug
AQ7000005	Connectivity Kit – US Plug (w/ serial to USB adapter)
AQ7000006	Connectivity Kit – EU Plug (w/ serial to USB adapter)
	AR2700 Touch Panel Display
AQ9900008	Touch Panel Display – 8" Screen, Linux

Ordering Descriptions

Connectivity Kits: Acuity sells a connectivity kit to aid in connecting your laser to a power supply and serial port. This product includes a 120V, 15 VDC, AC power supply; a serial cable with DB9 connector; and a solid-state, NEMA-4X interface box. The interface box includes two sets of terminal blocks for simple input (from sensor) and output (to your selected device), a DB9 male serial connector out, and a barrel style power connector in. You can either pass through the wiring to another unterminated cable, connect a DB9 serial cable directly to the interface box, or both at the same time.

> **AQ7000001 -** 120 V version with a US-style plug
> **AQ7000002 -** 240 V version with a European-style plug
> **AQ7000005 -** w/ serial to USB cable for ease of connection into industrial computers - US plug
> **AQ7000006 -** w/ serial to USB cable for ease of connection into industrial computers - Euro plug

Touch Panel Display (AQ9900008): Stand-alone terminal 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 up to 6 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 paired together, 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.

Cables: AR2700 cables must be ordered separately from the sensor. For custom cable requirements, please let us know.