

**Acuity® AR3000 Ordering Guide**

**AR3000 Sensor Part Number Information**

AR3000	
Part#	Description
<b>AR3000 Laser Sensors</b>	
AP3000232	AR3000 with RS232 and 4-20mA, 2mRad laser divergence, 2KHz max speed
AP3000422	AR3000 with RS422 and 4-20mA, 2mRad laser divergence, 2KHz max speed
AP3010232	AR3000 with RS232 and 4-20mA, 2mRad laser divergence, 10KHz max speed
AP3010422	AR3000 with RS422 and 4-20mA, 2mRad laser divergence, 10KHz max speed
AP3100232	AR3000 with RS232 and 4-20mA, 10mRad laser divergence, 2KHz max speed
AP3100422	AR3000 with RS422 and 4-20mA, 10mRad laser divergence, 2KHz max speed
<b>AR3000 Cables</b>	
CBA300201	Cable Assembly: AR3000 2m (6.6ft.)
CBA300205	Cable Assembly: AR3000 5m (16.4ft.)
CBA300245	Cable Assembly: AR3000 45m (150ft.)
CBA300261	Cable Assembly: AR3000 61m (200ft.)
<b>AR3000 Connectivity Kits</b>	
AQ7000001	Connectivity Kit – US Plug
AQ7000002	Connectivity Kit – EU Plug
AQ7000005	Connectivity Kit – US Plug (serial to USB)
AQ7000006	Connectivity Kit – EU Plug (serial to USB)
<b>AR3000 Touch Panel Display</b>	
AQ9900008	Touch Panel Display – 8" Screen, Linux
<b>AR3000 Miscellaneous Parts</b>	
CQN220123	Receptacle, 12-pin DIN Cable Connector, AR1000 or AR3000
MTP210201	3M Retroreflective 7590 Tape for AR3000/ white, 2"x12", Sealed

See page 2 for ordering descriptions.

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### 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:** AR3000 cables must be ordered separately from the sensor. For custom cable requirements, please let us know.