

Acuity® AR100 Ordering Guide

AR100 Part Number Information

AR100

Part#	Description
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APR100WZZ AR100 ordering notes

See the AR100 data sheet for model specifications.
 All sensors standard with 5m cables.
 Please verify part number and price with Acuity Sales prior to issuing a PO

W = 1 for Red Laser, 0-10V, RS-232, 5m cable W = 2 for Red Laser, 4-20 mA, RS-232, 5m cable W = 3 for Red Laser, 0-10V, RS-485, 5m cable W = 4 for Red Laser, 4-20 mA, RS-485, 5m cable W = 5 for Blue Laser, 0-10V, RS-232 Out, 5m cable W = 6 for Blue Laser, 4-20 mA, RS-232 Out, 5m cable W = 7 for Blue Laser, 0-10V, RS-485 Out, 5m cable W = 8 for Blue Laser, 4-20 mA, RS-485 Out, 5m cable
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ZZ = 01 for 10 mm Range - Base Distance 20 mm* ZZ = 02 for 25 mm Range - Base Distance 20 mm* ZZ = 05 for 50 mm Range - Base Distance 30 mm* ZZ = 10 for 100 mm Range - Base Distance 55 mm* ZZ = 25 for 250 mm Range - Base Distance 65 mm* ZZ = 50 for 500 mm Range - Base Distance 105 mm* * Base Distance is from the face of the laser to the beginning of the measurement range.
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Example part number: APR100205 – AR100 red laser, Base Distance -30 mm, 50 mm Range, 4-20mA, RS-232, 5-meter cable

AR100 Accessory Ordering Notes

AR100 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)

AR100 Touch Panel Display	
AQ9900008	Touch Panel Display – 8" Screen, Linux

Ordering descriptions on page 2

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: AR100 sensors come standard with 5m cable length. Different cable lengths are available upon request.