Acuity

Productivity through Precision.

Acuity® AR 1000 Part Number Guide

AR1000

AR1000 Ordering Information

Part#	Description
	AR1000 Laser Sensors w/o Internal Heater
AP1000232	AR1000 Laser Distance Sensor with RS232 output and 4-20mA, 50Hz max speed
AP1000422	AR1000 Laser Distance Sensor with RS422 output and 4-20mA, 50Hz max speed
	AR1000 Laser Sensors w/ Internal Heater
AP1010232	AR1000 Laser Distance Sensor with RS232 output and 4-20mA, 50Hz max speed
AP1010422	AR1000 Laser Distance Sensor with RS422 output and 4-20mA, 50Hz max speed
	AR1000 Cables
CBA100201	Cable Assembly: AR1000 2m (6.6ft.)
CBA100205	Cable Assembly: AR1000 5m (16.4ft.)
CBA100210	Cable Assembly: AR1000 10m (32.8ft.)
CBA100251	Cable Assembly: AR1000 15m (49ft.)
	AR1000 Connectivity Kits
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)
	AR1000 Touch Panel Display
AQ9900008	Touch Panel Display – 8" Screen, Linux
	AR1000 Miscellaneous Parts
CQN220123	Receptacle, 12-pin DIN Cable Connector, AR1000 or AR3000
MTP210203	Reflective Tape for AR1000, dark brown, 2"x12"

*See page 2 for ordering descriptions, if needed.

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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 an 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: Longer cable lengths are available upon request.