Acuity® AS2100 Ordering Guide

AS2100 Sensor Part Number Information

AS2100	
Part#	**Description**
	AS2100 Laser Sensors
AS2150010	Accurange Sensor: AS2100
AS2150010E	Accurange Sensor: AS2100 Ethernet/IP™ Option
	AS2100 Standard Option Power/Communication Cables
CBA210102	Cable Assembly: AS1100/2100 - Straight Connector - 2 M
CBA210105	Cable Assembly: AS1100/2100 - Straight Connector - 5 M
CBA210110	Cable Assembly: AS1100/2100 - Straight Connector - 10 M
CBA210115	Cable Assembly: AS1100/2100 - Straight Connector - 15 M
CBA210135	Cable Assembly: AS1100/2100 - Straight Connector - 35 M
	AS2100 Ethernet/IP™ Option Power Cables
CBA120105	Cable Assembly: AS1100E/2100E Power Cable - Straight Connector - 5 M
	AS2100 Ethernet/IP™ Option Communication Cables
AKA450502	Cable Assembly: AS1100E/2100E Ethernet Cable - Straight Connector - 2 M
AKA450505	Cable Assembly: AS1100E/2100E Ethernet Cable - Straight Connector - 5 M
AKA450510	Cable Assembly: AS1100E/2100E Ethernet Cable - Straight Connector - 10 M
AKA450515	Cable Assembly: AS1100E/2100E Ethernet Cable - Straight Connector - 15 M
AKA450520	Cable Assembly: AS1100E/2100E Ethernet Cable - Straight Connector - 20 M
	AS2100 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)
	AS2100 Touch Panel Display
AQ9900008	Touch Panel Display – 8" Screen, Linux
	AS2100 Accessories
ABC210001	Alignment Bracket: AS1100/2100 - 4 Deg Adjustment
	AS2100 Retroreflective Target
APT210297	Reflective plate 210 x 297 mm (orange)

See page 2 for ordering descriptions.

Ordering Descriptions

AS2100 Laser Sensors: The AS2100 comes with (2) different sensor options.

      Option 1 - our standard offering with RS232, RS422, RS485

      Option 2 - includes our Ethernet/IP™ communication unit.

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: AS2100 cables must be ordered separately from the sensor. For custom cable requirements, please let us know.

Alignment Bracket: Alignment unit that makes it easy to adjust the laser beam to the requested measuring target. The alignment unit allows +/-4° adjustment in two axis and is ideal for distances up to about 300m. The bracket is made of steel, zinc-plated and weighs about 850g.

Retroreflective Target: Acuity Reflective plate 210 x 297 mm (orange). The reflective aluminum target improves the reflected signal strength to measure long distance ranges. We recommend only using Acuity reflective targets to avoid damage to the laser.