



Productivity through Precision®

Schmitt Industries, Inc
8000 NE 14th Place
Portland, Oregon 97211 USA
Tel.: +1 503.210.5733
Fax: +1 503 223 1258
www.acuitylaser.com

Acuity® AS2100 Part Number Guide

AS2100

AS2100 Ordering Information

Part#	Description
AS2100 Laser Sensors	
AS2150010	Accurange Sensor: AS2100
AS2150010E	Accurange Sensor: AS2100 Ethernet Option
AS2100 Cables Standard Cables	
CBA210102	Cable Assembly: AS2100 M12/ F/CC/STRAIGHT/ 2 M
CBA210105	Cable Assembly: AS2100 M12/ F/CC/STRAIGHT/ 5 M
CBA210110	Cable Assembly: AS2100 M12/ F/CC/STRAIGHT/ 10 M
CBA210115	Cable Assembly: AS2100 M12/ F/CC/STRAIGHT/ 15 M
CBA210135	Cable Assembly: AS2100 M12/ F/CC/STRAIGHT/ 35 M
AS2100 Ethernet Cables	
AKA450502	2m Scanner Ethernet Cable
AKA450505	5m Scanner Ethernet Cable
AKA450510	10m Scanner Ethernet Cable
AKA450515	15m Scanner Ethernet Cable
AKA450520	20m Scanner Ethernet Cable
AS2100 Ethernet Option Power Supply Cables	
CBA120105	Cable Assembly: M12/Female-open leads/5 Pin/5M
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	Bracket: Alignment Unit/AS2100/4 Deg Adjustment
AS2100 Reflective Surfaces	
APT210297	Reflective plate 210 x 297 mm (orange)

*See page 2 for ordering descriptions, if needed.



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Accessory Ordering Guide

AS2100 Laser Sensors: The AS2100 comes with (2) different sensor options. Option 1 is our standard offering with RS232, RS422, RS485, (USB connection only for configuration). 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 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.

Reflective Plate - 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.

Bracket: Alignment Unit: 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.