



LX-101-P-Z

LX-100 - Mark sensor (can detect any mark)

The LX-100 mark sensor detects any marking or colour, the sensor is equipped with red, green and blue LED. In addition, it utilises a coaxial reflective optics system to realise high precision sensing when used with 1/4000 resolution 12-bit A/D converter.

type	supply voltage	diffused	retro-reflective	polished retro	through-beam	max. sensing distance (mm)	PNP	NPN	light-on	dark-on	connector
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LX-100 series - Mark/colour sensor

- Sensing: 3 LEDs: red, green, blue
- Sensing modes: 2 (selectable): Mark mode and Colour mode
- Sensitivity: 2-level teaching/Limit teaching - Mark / 1-level teaching - colour
- LED indication: 4-digit red LED display and various LED indicators
- Dimensions: 35 x 24 x 57 mm
- Response time: Mark mode - 45 µs \ Colour mode 150 µs

Mark/colour sensor M12 - 4-pin connector (supplied separately)

LX-101-P-Z 12 - 24 VDC 10...±3 mm M12 plug

MSLX1 bracket metallic (side mount) mounting bracket for above LX-101

Note: LX-101 can be used in conjunction with ASDA-A2 for high speed mark position applications.

EX-L200 series - Miniature laser sensor (ultra compact) - amplifier integrated

Due to the customised IC and optical design, high precision detection is fulfilled with directivity and visibility achievable only by laser. Class 1 (IEC / JIS / FDA) laser is safe to use, no need to separate the area of sensor usage.

- Sensing: Minute object detection (high precision - high accuracy)
- Easy beam-axis alignment Visible beam
- Sensitivity: Adjustable (to eliminate background detection)
- Supply protection: Short-circuit / inverse polarity protection
- LED indication: Orange and green LED indicators
- Ultra compact: 29.9 x 8.2 x 13 mm

Spot reflective type (Ø1 mm at a sensing distance of 300 mm)

- Minimum sensing object - 0.01 mm

EX-L221-P 12 - 24 VDC 45...300 mm cable

Thru-beam supplied as a set with transmitter and receiver

- Minimum sensing object - 0.03 mm

EX-L211-P 12 - 24 VDC 1 meter cable

NPN output available on request (remove "-P" from the part number)

MS-EX201 bracket L shaped metallic mounting bracket for sensor EX-L2...

HG-C series - Micro laser distance/measurement sensor (with built-in amplifier) (IP67)

HG-C measurement sensors measure and indicate measured values in mm as well as analog voltage outputs. The data can be used for various calculations and storage (logging) when the output is sent to a PLC + analog unit.

- Reliable detection in 10 µm precision (for HG-C1030)
- Indicates real measurements
- Equipped with 0 - 5V analog output
- Compact and light weight: 44 x 20 x 25 mm

type	supply voltage	repeatability	measurement center distance (mm)	measurement range (mm)	PNP	NPN	light-on	dark-on	connector
HG-C1030-P	12 - 24 VDC	10 µm	30	±5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	cable
HG-C1050-P	12 - 24 VDC	30 µm	50	±15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	cable
HG-C1100-P	12 - 24 VDC	70 µm	100	±35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	cable
HG-C1200-P	12 - 24 VDC	200 µm	200	±80	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	cable
HG-C1400-P	12 - 24 VDC	300 µm	400	±200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	cable

MS-HG-01 bracket for above HG-C micro laser sensors

NPN available on request (remove "-P" from the part number)

Note: I/O link available on request

Cables and M8/12 connectors (see page K-27 / 28)



HG-C1050-P