



ZX2-LD100 0.5M

Laser displacement sensor, CMOS type, sensor head, spot beam type, 100mm +/-35mm, 5µm resolution, 0.5m cable

Specifications

Reference distance	100 mm
Relative linearity deflection	0.1 %
Measuring range length	65-135 mm
Geometrical resolution	0.005 mm
Sensing method	Diffuse reflective
Spot size	0.1 mm
Height of sensor	47.5 mm
Width of sensor	22.6 mm
Overall length of sensor	35.5 mm

Fits to



ZX2-LDA11 2M

Laser displacement sensor,
CMOS type, amplifier unit,
NPN output, 2 m cable



ZX2-LDA41 2M

Laser displacement sensor,
CMOS type, amplifier unit,
PNP output

Accessories



ZX2-CAL

Calculation unit for ZX2 smart sensor



ZX2-XC1R

Extension cable (amplifier to head), 1m



ZX2-XC4R

Extension cable (amplifier to head), 4m

Downloads

CAD Library



**EAC Mark removal
Discontinuation Notice**

EN PDF 221 KB



**ZX2
Users Manual**

EN PDF 17.5 MB



**ZX2
Getting Started Guide**

EN PDF 5.57 MB



**ZX2 - Smart Sensors
Laser Sensors CMOS
Type
Datasheet**

EN PDF 4.34 MB



**ZX2 Smart Sensor
Series
Brochure**

EN PDF 2.96 MB



**ZX2-LDxx
Instruction Sheet**

EN PDF 4.7 MB

TERMS OF WEBSITE USE

This PDF document was created from the European OMRON Industrial Automation website on 18 December, 2025. Click here for [terms of use](#).

OMRON

INDUSTRIAL AUTOMATION | INDUSTRIAL.OMRON.EU