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Find the *Keyence EX-505* at our website: *Click HERE*



EX-502

Amplifier Unit

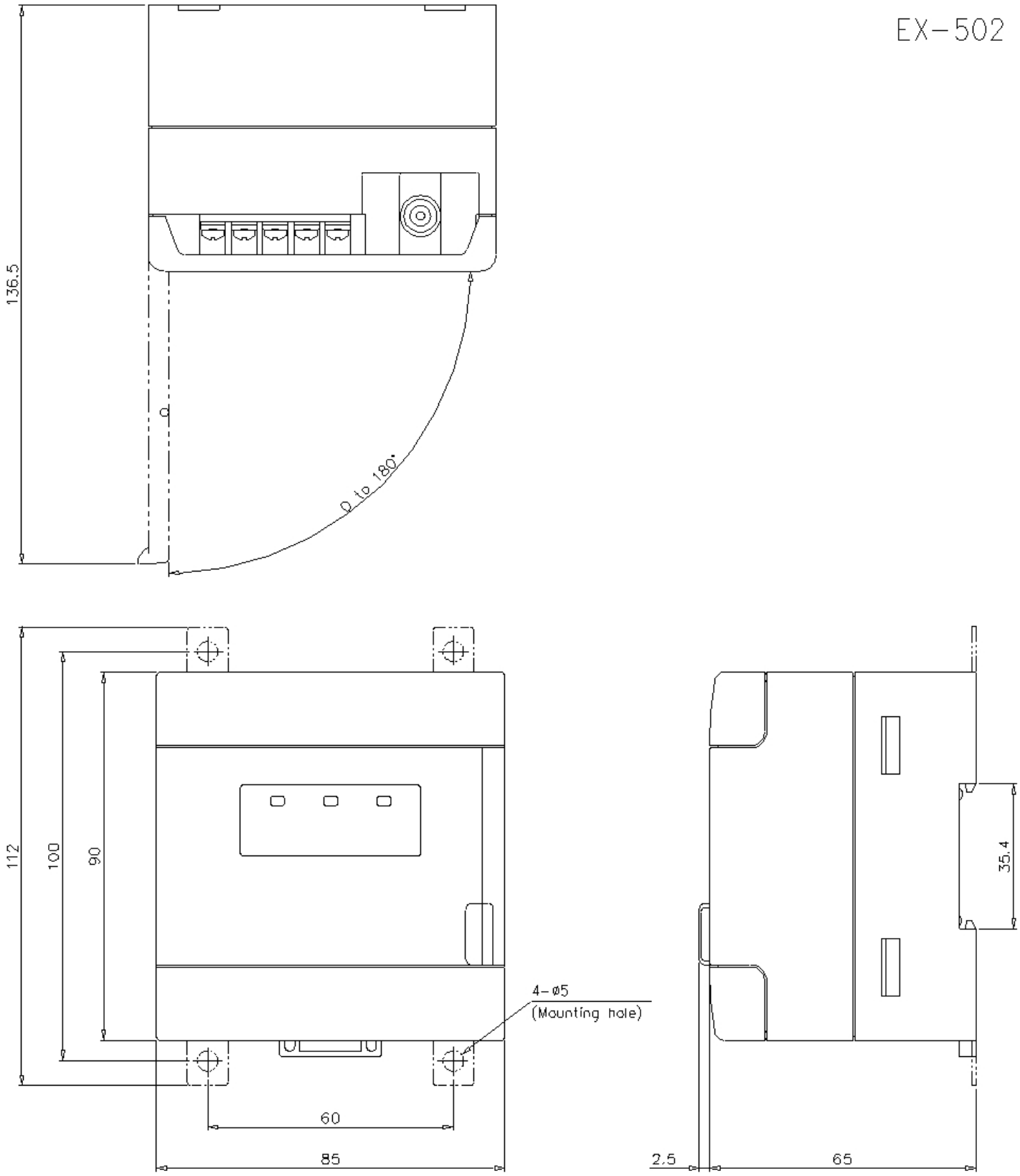
SPECIFICATIONS

Model		EX-502
Type		Controller
Shape		M8, Threaded, Non-shielded
Measuring range		0 to 2 mm 0.08"
Analog output	Output voltage	0 to 5 V (Output impedance: 100 Ω)*1
	Impedance	100 Ω*2
	Output current	4 to 20 mA (Applicable load: 0 to 350 Ω)*1
	Resolution	0.03% of F.S. (RESPONSE = 3, 4)*2
	Linearity	±0.3% of F.S. (RESPONSE = 2, 3, 4)*1
	Response time (Response mode)	0.1 ms (RESPONSE = 1), 1 ms (RESPONSE = 2), 10 ms (RESPONSE = 3), 100 ms (RESPONSE = 4)*2
Disconnection alarm output (N.C.)		NPN: 100 mA max. (40 V), Residual voltage: 1 V max.*3
Functions		Auto-zero function/Auto-span function, Response time selector function/ Preset metal characteristic memory function, Cable length selector function/Interference suppression function
Temperature characteristics		0.04% of F.S./°C*2
Temperature fluctuation	Sensor head	0.03% of F.S./°C*4*2
Temperature characteristics	Amplifier unit	0.04% of F.S./°C*2
Rating	Power voltage	12 to 24 VDC ±10%
	Current consumption.	220 mA max.
Environmental resistance	Enclosure rating	IP67
	Operating temperature range	0 to 50°C 32 to 122°F
	Operating ambient humidity	35 to 85% RH (No condensation)
	Vibration	10 to 55 Hz, double amplitude: 1.5 mm 0.06", 2 hours in each of X, Y, and Z directions
Weight		Approx 360 g

*1 The above data was obtained using an aluminum target (A5052 t=1 mm 0.04). When measuring steel or stainless steel targets, refer to the characteristics of linearity for these materials.
*2 The above data was obtained using an aluminum target (A5052 t=1 mm 0.04"). When measuring steel or stainless steel targets, refer to the characteristics of linearity for these materials.
*3 NPN output can easily be converted to PNP output by connecting the optional OP-5148 PNP Output Converter.
*4 When the distance between the sensor head and the target is 50% of the measuring range and the operating temperature is 10 to 40°C (50 to 104°F) (EX-008) or 0 to 50°C (32 to 122°F) (EX-016 and EX-022).

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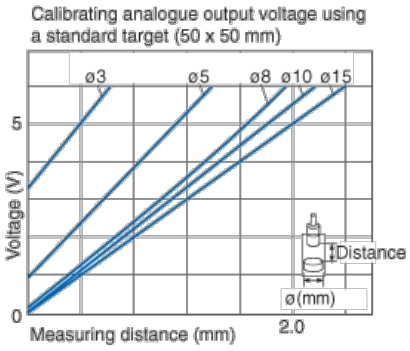
Dimensions

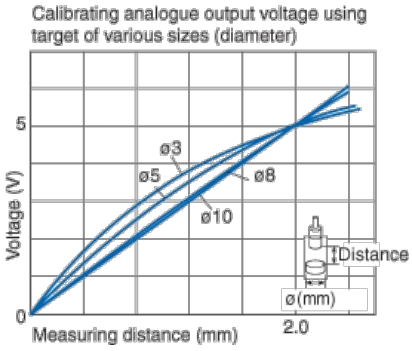


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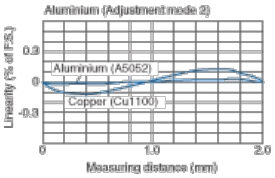
Characteristic

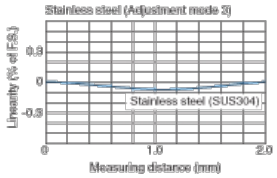
Output voltage for measuring targets of various sizes (Typical)
EX-502/EX-008 (Target: Aluminium A5052)

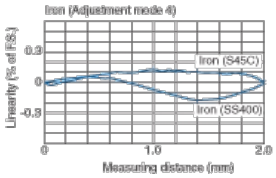




Linearity for various metal measurements (Typical)
EX-502/EX-008







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