



## AXIOM SERIES

# AXIOM-500

## Standard 6-Axis Force-Torque Sensor

The AXIOM-500 is a compact, IP67-rated 6-axis force-torque sensor for lightweight robotic applications. Ideal for cobots, precision assembly, and low-force automation tasks requiring reliable feedback.



### PERFORMANCE

	$F_x$	$F_y$	$F_z$	$M_x$	$M_y$	$M_z$
RANGE	$\pm 500$ N	$\pm 500$ N	$\pm 1,500$ N	$\pm 25$ Nm	$\pm 25$ Nm	$\pm 25$ Nm
RESOLUTION	25 mN	25 mN	50 mN	1 mNm	1 mNm	1 mNm
NOISE @ 100 Hz	22 mN	23 mN	49 mN	1 mNm	1 mNm	1 mNm

### GENERAL

MEASUREMENT AXES	6-DOF
OUTPUT RATES	100 / 250 / 500 Hz
INTERFACE	RS-485
POWER	5 V DC
PROTECTION	IP67
TEMPERATURE	$-20$ °C to $+60$ °C
INTEGRATION	Single-cable

### MECHANICAL

DIAMETER	$\varnothing 60$ mm
HEIGHT	35 mm
WEIGHT	0.20 kg
MATERIAL	Aerospace-grade Al
MOUNTING	M5 $\times$ 6, top & bottom

### KEY FEATURES

- 6-axis simultaneous measurement
- IP67: dust & water sealed
- Single-cable, no external box
- Low-noise, stable signal
- Compact form factor