



AXIOM SERIES

AXIOM-1000

Standard 6-Axis Force-Torque Sensor

The AXIOM-1000 is a compact, IP67-rated 6-axis force-torque sensor designed for robotic applications that need reliable force and torque feedback across automation, assembly, and test workflows. Single-cable integration with built-in electronics delivers clean installation and dependable measurement.



PERFORMANCE

	F _x	F _y	F _z	M _x	M _y	M _z
RANGE	±1,000 N	±1,000 N	±3,000 N	±50 Nm	±50 Nm	±50 Nm
RESOLUTION	50 mN	50 mN	100 mN	2 mNm	2 mNm	1 mNm
NOISE @ 100 Hz	44 mN	45 mN	98 mN	2 mNm	2 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	Ø70 mm
HEIGHT	40 mm
WEIGHT	0.25 kg
MATERIAL	Aerospace-grade Al
MOUNTING	M5 × 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