



## AXIOM-HS SERIES

# AXIOM-HS-2000

## Hollow-Shaft 6-Axis Force-Torque Sensor

The AXIOM-HS-2000 is a high-range, hollow-shaft, IP67-rated 6-axis force-torque sensor for heavy-duty end-effectors. Built for industrial applications requiring cable routing through the sensor body with extended force and torque measurement capability.



### PERFORMANCE

	$F_x$	$F_y$	$F_z$	$M_x$	$M_y$	$M_z$
RANGE	$\pm 2,000$ N	$\pm 2,000$ N	$\pm 6,000$ N	$\pm 100$ Nm	$\pm 100$ Nm	$\pm 100$ Nm
RESOLUTION	100 mN	100 mN	200 mN	4 mNm	4 mNm	2 mNm
NOISE @ 100 Hz	97 mN	99 mN	216 mN	4 mNm	4 mNm	2 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	Ø80 mm
HEIGHT	45 mm
WEIGHT	0.25 kg
MATERIAL	Aerospace-grade Al
MOUNTING	M5 × 6, top & bottom
BORE	Ø30 mm

### KEY FEATURES

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