



Das

Direct Acceleration Sensor

Inertial six-axis sensor for directly measuring linear and angular accelerations and for advanced motion control applications



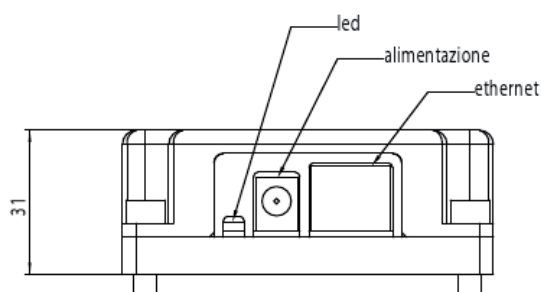
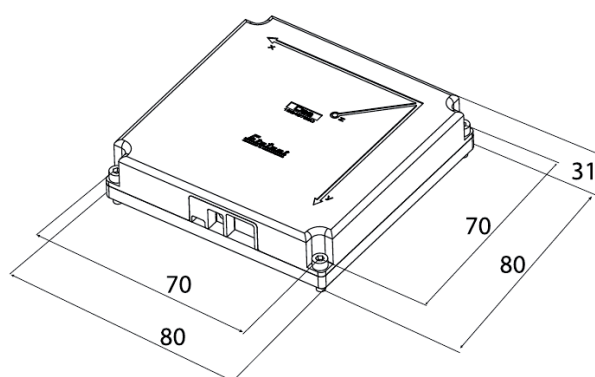
Key Feature

- Linear and angular acceleration measurements
- Flexible Data Rate for different application
- Integrability with most control system for motion control application
- Availability with different interface

Application

- Robotic and Automation
- Automotive
- Inertial navigation
- Availability with different interface
- Motion Tracking

Technical Data



Parameter	Condition	Value	
Bandwidth	UDP Ethernet 100 Mb/s	≤ 3	kHz
Data Rate	Fixed	100	Hz
Operating Temperature		0/70	°C
Size		141x141x31	mm
Weight		400	grams
Power Supply	Non regulated	6-9	V

Linear Accelerations (Three axis)

Full-Scale	Selected by user	± 2	g
Sensitivity Change Vs Temperature	Delta from 25°C	± 0.01	%/°C
		± 0.2	mg/°C
Bias Change Vs Temperature	Delta from 25°C	± 0.5	% LAFS
Non Linearity	Worst case	± 0.1	% LAFS
Cross-Axis Sensitivity		300	μg
RMS Noise	DR = 1 kHz		

Angular Accelerations (Three axis)

RMS Noise	DR = 1 kHz	65	mrad/s ²
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