

CLIP-2

Product Brief



Condor Pacific's CLIP-2 IMU is a field proven versatile MEMS IMU with a configurable digital output. Designed to work under high shocks and vibration, CLIP-2 incorporates 6 MEMS gyroscopes and 6 MEMS accelerometers, all fully isolated and temperature calibrated.



Highlights

Parameter	Value	Units
Gyro/Accelerometer scale factor, OTR	0.1	%
Gyro Zero offset, OTR	0.2	°/sec
Gyro Full Scale, configurable	100-900	°/sec
Accelerometers Full Dynamic range	90	g
Accelerometers Zero offset (up to 40 g) OTR	5	mg
Non linearity error	0.05	%
Bandwidth (90° shift phase), configurable	65-110	Hz
Noise (1-100 Hz)	0.007	deg / sec / $\sqrt{\text{Hz}}$
Misalignment (all axes), OTR	1	mRad
Weight	25	gram
Start time	1	Sec
g sensitivity	0.002	deg/sec/g
Current (max)	190	mA
Temperature	-40 to 80	°C

All parameters in table are Max.

Tailored offering

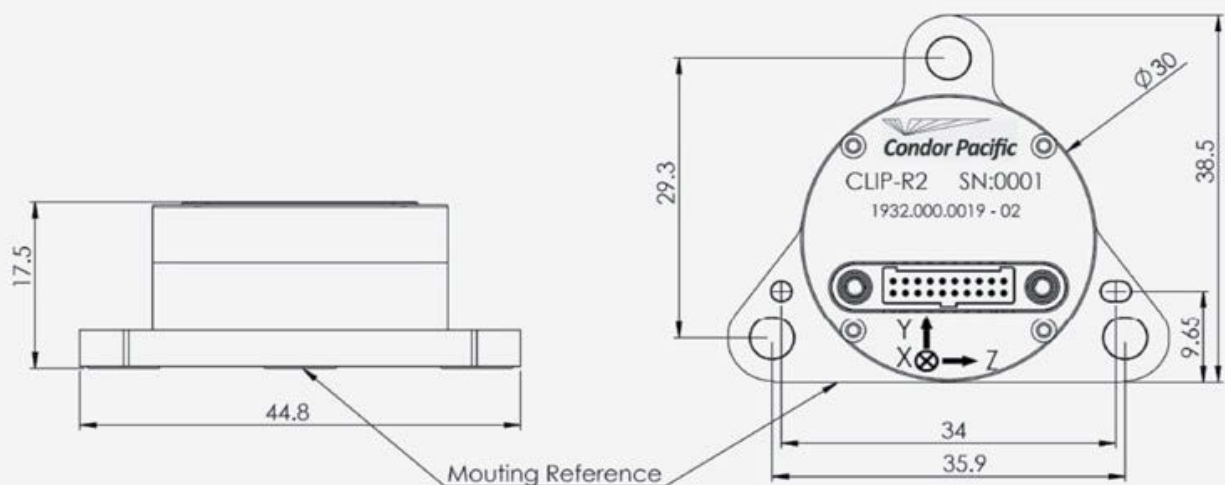
Multiple MEMS sensors combinations for best tailored performance to application.

High vibration and shock resistance performance

Designed for military and defense use in harsh environments, with full acoustic isolation.

Cost to performance

According to application performance needs, the best cost effective solution is offered.



Condor Pacific maintains decades of expertise and experience in developing and manufacturing a wide range of high-quality gyroscopes and inertial systems for the defense sector. Leveraging a seasoned team of management, R&D, production and quality assurance experts, Condor Pacific possesses the know-how to meet the most stringent customer requirements.

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