

# 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 / √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

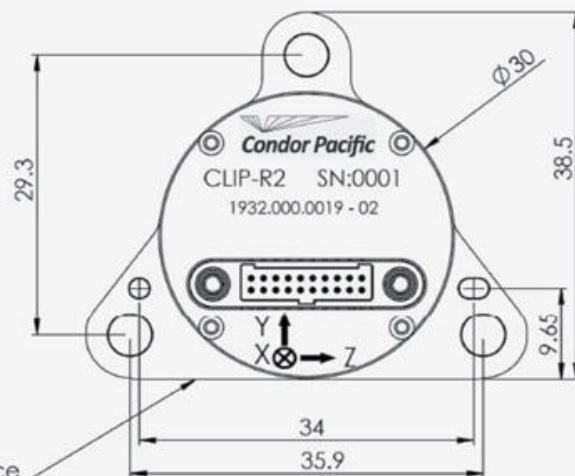
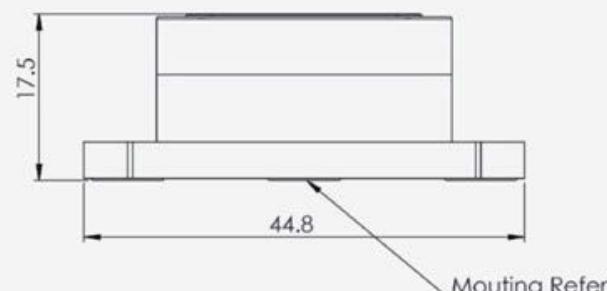
Multiple MEMS sensors combinations for best tailored performance to application.

## 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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