TARGETPOINT
DIGITAL MAGNETIC COMPASS



Introducing **TargetPoint DMC 600,** the first US-made, American-supported, STORM-qualified digital magnetic compass — an ideal replacement for existing DMCs.

PNI's TargetPoint DMC 600 delivers unbeatable accuracy and reliability in the harshest conditions. It is a key enabler in situational awareness, threat detection and neutralization. TargetPoint combines PNI's patented magneto-inductive sensors and measurement circuitry with a 3-axis MEMS accelerometer for unparalleled cost effectiveness and performance.

Qualified as a drop-in replacement in the STORM program, TargetPoint is an ideal choice for far target locators and laser range finders that require real-world reliability and performance.

MILITARY QUALIFIED
MADE IN U.S.A.
IN STORM PROGRAM

PNI SENSOR CORPORATION

UNITRONIC

UNITRONIC GmbH
Hellersbergstraße 10a
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PART OF
LAGERCRANTZ GROUP

Same specs. Made and supported in the USA.

TargetPoint provides the same performance as non-US DMCs, and is a drop-in replacement in the STORM-mLRF. The TargetPoint DMC module is extensively tested to military standards, including weapon-shock, to ensure specifications are consistently met.

From an established US small business with a proven record.

PNI Sensor Corporation has been a reliable supplier of compass modules to the military market for over 20 years.

Performance Specifications[1]

Azimuth (Heading) Accuracy		± 0.5° rms
Elevation (Pitch) & Bank (Roll) Accuracy		± 0.2° rms
Angular Resolution		0.01°
Magnetic Field Calibrated Range		± 150 µT
I/O Characteristics		
Data Interface		RS 232 subset (CMOS-level)
Communication Protocol		ASCII
Reporting Rate	Continuous Measurement	1, 2, 5, 10, and 20 Hz
	Single Measurement	10 Hz maximum
Power Requirements		
Supply Voltage		4.75 to 5.25 VDC
Average Current Draw @ 10 Hz		225 mW max.
Environmental Testing		
Temperature	Operating	−40° C to +70° C per MIL-STD-810G, Method 501.5 and 502.5
	Storage (non-operational)	−57° C to +85° C per MIL-STD-810G, Methods 501.5 and 502.5
	Temp. Shock (non-operational)	−57° C to +71° C. 15° C/minute. Stabilized for 75 minutes at extremes. 3 cycles.
Shock (non-operational)		5000 shots while mounted in STORM rangefinder system on M4 rifle
Vibration (non-operational)		MIL-STD-810G, Method 514.5, Procedure I — General Vibration. Random vibration per Annex C —Figure 514.5C-17, with duration of ≥ 1 hour on each of 3 axes.
Mechanical Characteristics		
Dimensions (L x W x H)		1.30" x 1.22" x 0.53" (33 x 31 x 13.5 mm)
Max Weight		20 gm
Mounting Options		Level or 90° side-mounted

1. Specifications are preliminary and subject to change.

For ordering information and most current specifications, please visit www.pnicorp.com

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TARGETPOINT
DIGITAL MAGNETIC COMPASS

- 3-AXIS
- HARD & SOFT-IRON CORRECTION
- LOW POWER
- HIGH RESOLUTION/ ACCURACY
- WEAPON-SHOCK TESTED
- MODULE

PNI SENSOR CORPORATION is an established, successful leader in magnetometer technology, serving such clients as the US military and GM, Chrysler and Ford in the automotive industry. PNI's team of physicists, engineers and researchers has unparalleled expertise in creating the highest performance magnetic sensor on the market. PNI applies this patented magnetometer technology to create highly accuracte, reliable and low power compass modules.

Many of today's leading companies are using PNI technology in their marquee products and across a wide spectrum of applications, inlcuding robotics, targeting, surveying, and oceanography.

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