AngleStar® Protractor System (APS)



- **Complete angle measurement system**
- **Battery or external powered**
- **Ranges: ±19.99º, ±45.0º and 0 to +90º**
- **Remote sensing up to 200 feet**

RoHS

DESCRIPTION

The AngleStar® Protractor System (APS) is a ready to use, stand alone system for angle measurements. The system incorporates an AngleStar Electronic Clinometer, a digital LCD display, and a four foot interconnecting cable *(cable lengths up to 200 feet are available, consult factory for details)*.

This system will operate for 500 hours on one 9 volt battery (not included), or may be powered from an external power source between +9 and +15 VDC, drawing minimal current. The display may be mounted up to 200 feet from the sensor for remote sensing applications such as drilling equipment or tower crane overload protection.

There are three systems to choose from; ±19.99 degrees with 0.01 degree resolution, ±45° or 0-90°, both having 0.1 degree resolution.

Also see our other models ***AccuStar®-EA* Electronic Clinometer** (2 standard input/output configurations), and **AccuStar® IP-66** (2-wire loop powered angle transmitter).

Measurement Specialties, Inc. offers many other types of sensors. Data sheets can be downloaded from our web site at: http://www.meas-spec.com/datasheets.aspx

FEATURES

- Separate sensor and display
- Remote sensing up to 200 feet
- External power jack
- 1,000 hour battery life
- Integral easel stand for readout

APPLICATIONS

- Crane safety systems
- Crawler drill mast angle
- Antenna positioning
- Machine tool angle
- Platform leveling/monitoring
- Audio speaker array alignment

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PERFORMANCE SPECIFICATIONS

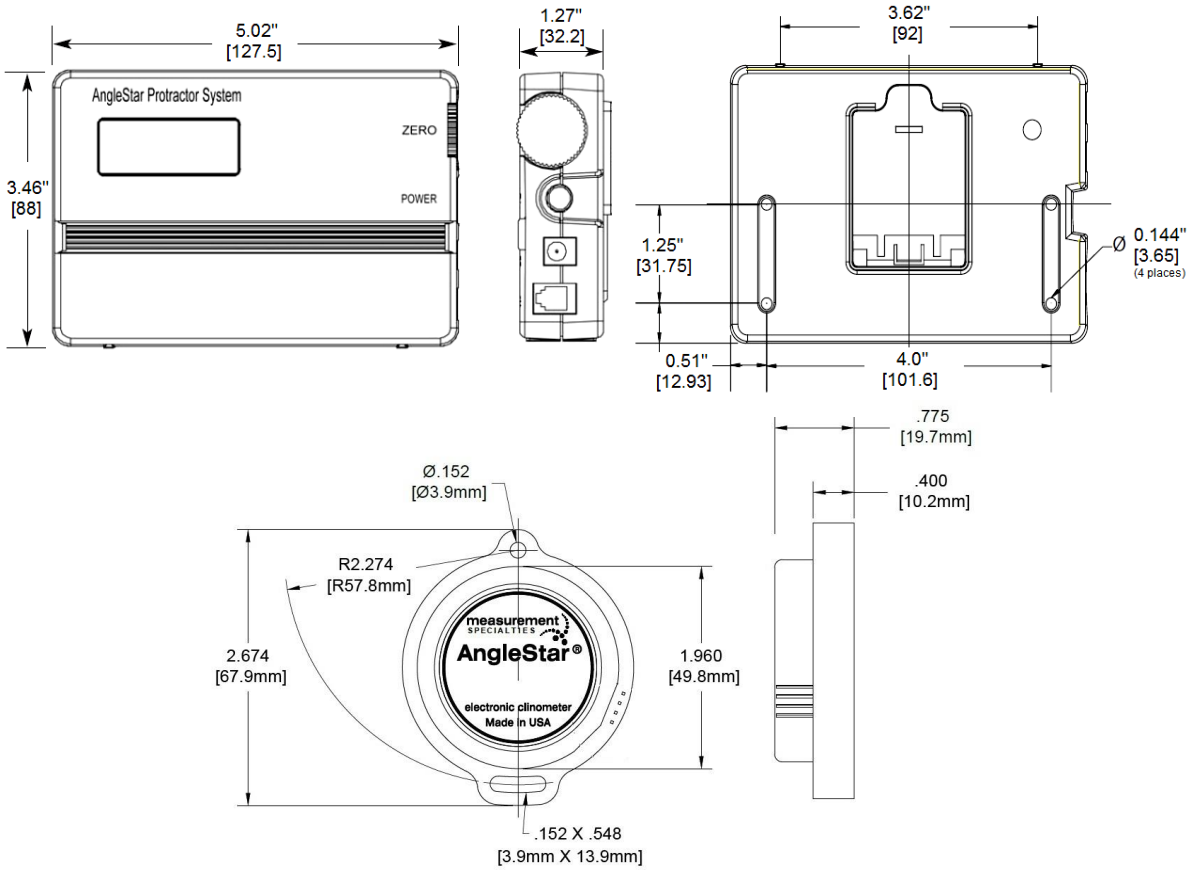
ELECTRICAL	
Battery life	500 hours (approx.)
External power	+9 to +15VDC
Linearity*	
Null to 10º	±0.1º
10º to 45º	±1% of reading
Null repeatability	±0.1º
Cross axis error	<1%
Sensor time constant	0.3 seconds
Sensor frequency response	0.5Hz
ENVIRONMENTAL/MECHANICAL	
Temperature range	-18º to +55ºC (0 to +131ºF)
Cable	Four conductors, 26 AWG, PVC jacket, 4 foot length standard

Notes:

***** *Linearity specification applies to Standard and High Resolution systems only!*

All values are nominal unless otherwise noted!

DIMENSIONS AND WIRING



Dimensions are in inches [mm]

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ORDERING INFORMATION

MODEL	MEASUREMENT RANGE	PART NUMBER
Standard	±45°	02160021-000
High Resolution	±19.99°	02160023-000
90 Degree	0 to +90°	02160025-000

OPTIONS	
NIST Calibration	0216002X-400

ACCESSORIES	
10 foot cable assembly	04160001-010
20 foot cable assembly	04160001-020
30 foot cable assembly	04160001-030
40 foot cable assembly	04160001-040
50 foot cable assembly	04160001-050
100 foot cable assembly	04160001-100
150 foot cable assembly	04160001-150
200 foot cable assembly	04160001-200

TECHNICAL CONTACT INFORMATION

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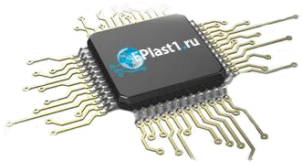
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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