



PNS-3

With inclinometer for die-cast measuring, single channel version

- Measurement range ± 3
- Supply voltage via integrated rechargeable NiMH battery
- Analog output ± 5 V
- 3½ digit LCD



This PNS-3 is a tilt measurement system developed for measuring the tilt of die-cast (ingot mold) in steel treatment. The system contains a precision tilt meter, a force-balance inclinometer and a connecting cable between tilt meter and inclinometer. Additional accessories like mounting brackets, mechanical stops, etc. have to be procured by 3rd. party.

Specifications

Number of channels:	1
Supply voltage:	12 VDC via integrated rechargeable NiMH battery
Power consumption:	8 W max.
Analog output:	± 5 V, max. 1 mA (short-time short-circuit proof)
Limit frequency (-3dB):	1 Hz
Input resistance:	> 3 M Ω
Non-Linearity:	± 0.05 % FS
Electrical connections:	Connector
Enclosure:	Aluminium desktop enclosure (IP20)
Dimensions (W x H x D):	190 x 90 x 186 mm
Weight:	3000 g
Storage temperature range:	-20 °C ... +60 °C
Operating temperature range:	0 °C ... +50 °C
Scaling:	For leg length 900 mm or 1.100 mm, other scaling on request

Ordering Information

PNS-3	Digital tilt meter with inclinometer ± 3 degree, single channel version. System contains of: - Tilt measurement system PNS-3-T-MOD9 - Inclinometer AILSOC-3 - 5 m cable KA-LSOC-PNS-5 - Recharger
--------------	--

✦ Electrical Connections

Electrical connections are made with connectors at the front panel.

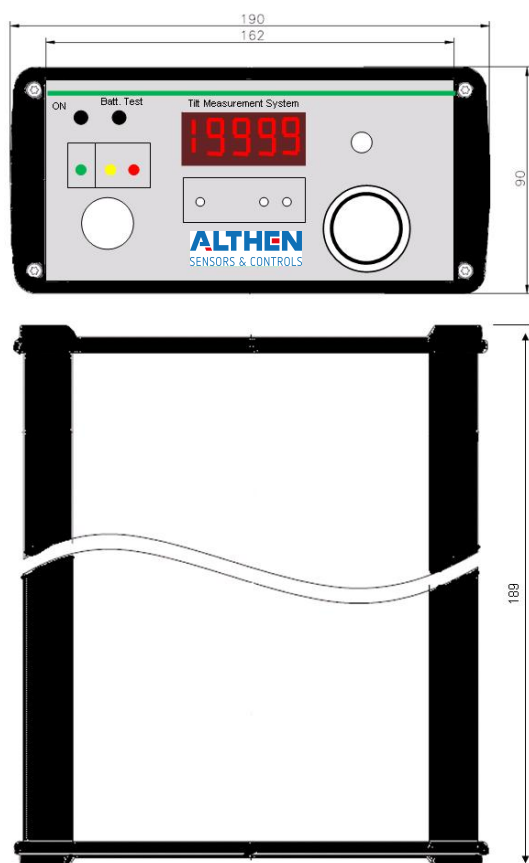
Connector STV-01/Conn.-1 (Power supply)
Type: Binder, 5-pin Series 423

Pin	Description
1	External supply voltage 12 VDC
2	GND
3	Battery charging
4	Analog output ± 5 V
5	Analog ground

Connector STV-02/Conn.-2 (Inclinometer)
Type: Lemos EFA.3E.306.CLAC55ZN, 6-pin connector

Pin	Description
1	+15 VDC excitation inclinometer
2	Ground
3	-15 VDC excitation inclinometer
4	+ Signal inclinometer
5	-Signal Inclinometer
6	Ground

✦ Dimensions



✦ Alignment/Calibration

A calibration with a traceable factory calibration certificate is possible on request and for an extra charge.

✦ Custom Requirements

Technical modifications according to custom requirements are available on request. Moreover, we deliver customized solutions for a lot of measuring tasks in sections pressure, force, distance and tilt measuring using our measuring transducers. Do not hesitate to contact us.