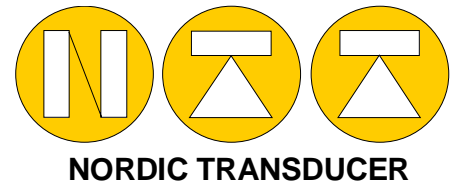


NTC-2-010 : Dual Axis Inclinometer With Remote Display



The NTC-2-10 combines a dual axis (pitch and roll) inclinometer sensor with a remote readout unit that can simultaneously indicate both angles up to a maximum of $\pm 10^\circ$ with a resolution of 0.01° .

- Dual axis measurement
- Simultaneous readout of both X & Y (pitch and roll)
- $\pm 10^\circ$ measurement range
- 0.01° display resolution
- $\pm 0.05^\circ$ accuracy
- Sensor sealed to IP65
- Display sealed to IP65
- IP65 sealed cables and connectors
- Can be supplied with cable lengths up to 100m
- Extremely rugged, designed for use in tough environments.
- Sensor and display machined from solid aluminium



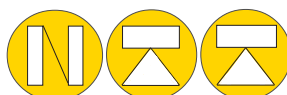
The Product Description

The Sensor Unit : For ruggedness and to ensure good sealing, the housing is machined from a solid aluminium block. The sensor is a high precision MEMS device, which is interfaced through an onboard processor. This stores calibration data and converts the output into a digital format to send to the display unit.

The Cables: The cable from the sensor to the display is a 6mm screened cable. The connectors are military spec IP65 bayonet locking type. The second cable from the display is a two core power cable with a red and black core to connect to the power supply +ve and ground respectively. Both cable lengths should be specified at the time of ordering.

The Display: The display unit is extremely rugged and is machined from a single piece of Aluminium. It has two 20mm LED displays and will simultaneously display the X and Y axis output. The ABS/REL button switches between absolute and relative measurement mode, and the CAL button allows the absolute zero position to be re-calibrated. There are two connectors, one for the sensor unit, and the other to connect to an external power source.

| | |
|---------------------------|------------------------------|
| Part Number: | NTC-2-10 |
| Range: | $\pm 10^\circ$ - Dual Axis |
| Resolution: | 0.01° |
| Accuracy: | < $\pm 0.05^\circ$ (at 20°C) |
| Display Update: | 1 second |
| Supply Voltage: | 8-36V (DC) |
| Operating Current: | <120mA (@12V) |
| Cable Length: | 1-100m (specify with order) |
| Dimensions | |
| Sensor: | 88 x 88 x 45mm (w x d x h) |
| Display: | 150 x 126 x 34mm (w x d x h) |
| Weight | |
| Sensor: | 335g |
| Display: | 1145g |
| Operating Temp: | -10 to +85°C |
| Sealing | |
| Sensor: | IP65 |
| Connectors: | IP65 |
| Display: | IP65 |



Nordic Transducer

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