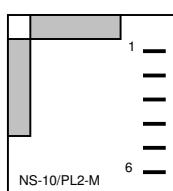


### Pin out



Connector:

- 1 Vcc + 5 VDC, stabilized
- 2 RxD TTL
- 3 GND
- 4 N.C.
- 5 N.C.
- 6 TxD TTL

### Applications

- Zero point detection
- Alignment and level control
- Angle measurement
- Wheel Alignment
- Load cell compensation

### Advantages

- Single and dual axis models
- Microprocessor controlled inclinometer
- Integrated linearisation and temperature compensation
- V24 interface, TTL-level
- Small construction kit

### Specification

	Conditions	Min	Typ	Max	Units
Measurement range		-10		+10	°
Resolution			0,001		°
Precision (absolute)	$T_1=0 \dots +55^\circ\text{C}$	-0,15		+0,15	° of <sup>3</sup> FS, $T_1$
Precision (absolute)	$T_2=-25 \dots +85^\circ\text{C}$	-0,3		+0,3	° of <sup>3</sup> FS, $T_2$
Noise (RMS)	$RT^1$		0,03		°
Rise time	$0^\circ \rightarrow 10^\circ, t=90\%$	2,5			s
$V24\text{-interface TTL-level}^5$		4,3			V
$V24\text{-interface load}^5$		3			mA
Baud rate <sup>2</sup>		9600			Bits/s
Transmission rate		3,5	4	4,5	Hz
Supply voltage <sup>4</sup>		+5			VDC
Current consumption		20			mA
Operating temperature		-25		+85	°C
Storage temperature		-40		+85	°C
Weight		20			g
Dimensions		45 x 45 x 17			mm

<sup>1</sup>RT = by room temperature 20 °C

<sup>2</sup>Baud rate = fixed

<sup>3</sup>FS= Full scale

<sup>4</sup>Stabilisation essential

<sup>5</sup>Note the port-load of microcontroller  
Microchip Pic 14000  
RxD, TxD are not protected

Conector:  
Compony Molex  
Picoflex PF-50 1,27mm