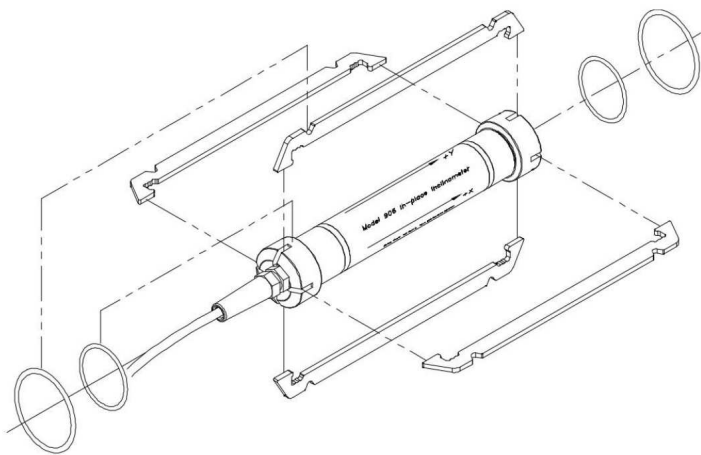
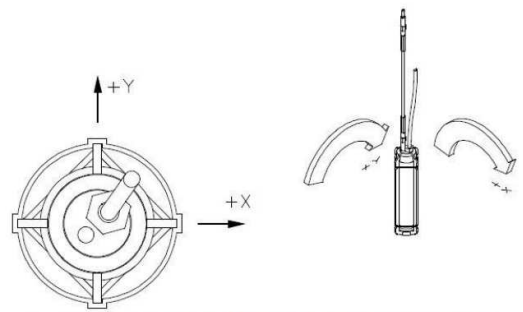


Model MD906 “Little Dipper” In-Place Inclinometer

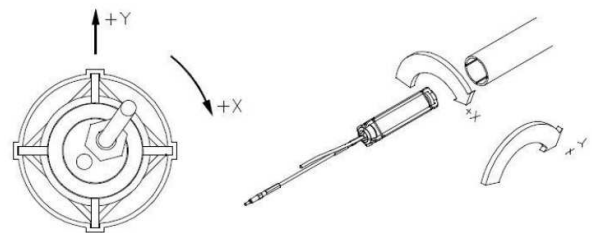
The model A906 “Little Dipper” is a precision, low-cost In-Place Inclinometer (IPI) system for monitoring slopes, retaining walls, embankments, ground subsidence and settlement, and more. Units install easily in standard inclinometer casings, or can be grouted or buried directly into place. All A906 IPI’s are pressure rated to +72 psi. With ± 2.5 and 0-5 VDC output units also easily connect to any voltage input datalogger. The A906 is configurable for use for use in both vertical and horizontal boreholes. Units ship standard with 3m cable (specify additional cable length on order).



A906 “Little Dipper” Dimensions: 231 x 39 mm (9.25 x 1.55 in.)



Placement of Little Dipper Model 906-V in vertical casing



Placement of Little Dipper Model 906-H in horizontal casing

PIN OUT:

Color	FUNCTION
Red	+8 TO +24 VDC
BLACK	PWR GND
GREEN	X-OUT
BLUE	Y-OUT
YELLOW	TEMP OUT
WHITE	SIG GND

PERFORMANCE SPECIFICATIONS

PERFORMANCE

VERSION	High-Gain	Standard	Wide-Angle
ANGULAR RANGE (°) ¹	±12°	±30°	±50°
NONLINEARITY (%FRO) ² max	0.8% (full span)	1% (half span); 4% (full span)	7%
NONREPEATABILITY	0.01°	0.01°	<0.02°
RESOLUTION	<0.005°	0.004°	0.01°
SCALE FACTOR	4°/V	10°/V	25°/V
TIME CONSTANT	0.15 sec		
Kz TEMP COEFFICIENT (°/C)	±5 arcsec/°C (typical)		
Ks TEMP COEFFICIENT (%/°C)	±0.03%/C (typical)		
OUTPUT VOLTAGE	±2.5V or 0-5V		
CHANNELS	X-tilt, Y-tilt, Temperature, Serial No.		

ELECTRICAL & ENVIRONMENTAL

NUMBER OF AXES	2
OUTPUT IMPEDANCE (Ohms, nominal)	270, short circuit protected
NATURAL FREQUENCY	10 Hz
POWER	+8 to +24 VDC (bipolar output); +10.5 to +26.5 VDC (0-5V output); 7mA, 250 mV ripple max, reverse polarity protected
OPERATING TEMPERATURE RANGE	-25° to +70° C
STORAGE TEMPERATURE RANGE	-25° to +70° C
SUBMERSIBLE	UP TO 72 PSI
WEIGHT	0.35kg (0.75lb.)
MATERIALS	Glass electrolytic sensor, fiberglass PCB
CABLE	6-conductor, 24 AWG, PVC jacket, polypropylene insulation, overall shield, 0.2 in. (5mm) dia., 3m cable included. For additional cable length, please specify in order (price per ft.)

NOTES:

1. Custom ranges available on request
2. Nonlinearity is specified as deviation of output referenced to theoretical sine function value, independent of misalignment

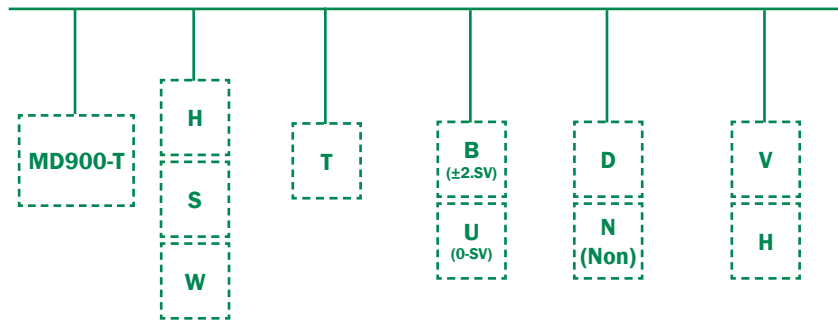
Specifications are subject to change without notice due to continued product development



ORDERING INFORMATION

HOW TO ORDER Model Numbers are comprised of the series, the number of axes, and the angular range.

SERIES - RANGE - TEMP SENS. - OUTPUT - DAMPENING - ORIENTATION



	Bipolar Output (±2.SV)		Unipolar Output (0-SV)	
	MODEL #	PART #	MODEL #	PART #
Vertical Installation	A906-HT-BN-V	98906-01	A906-HT-UN-V	98906-11
	A906-HT-BD-V	98906-02	A906-HT-UD-V	98906-12
	A906-ST-BN-V	98906-03	A906-ST-UN-V	98906-13
	A906-ST-BD-V	98906-04	A906-ST-UD-V	98906-14
	A906-WT-BN-V	98906-05	A906-WT-UN-V	98906-15
	A906-WT-BD-V	98906-06	A906-WT-UD-V	98906-16
Horizontal Installation	A906-HT-BN-H	98906-07	A906-HT-UN-H	98906-17
	A906-HT-BD-H	98906-08	A906-HT-UD-H	98906-18
	A906-ST-BN-H	98906-09	A906-ST-UN-H	98906-19
	A906-ST-BD-H	98906-10	A906-ST-UD-H	98906-20
	A906-WT-BN-H	98906-23	A906-WT-UN-H	98906-21
	A906-WT-BD-H	98906-24	A906-WT-UD-H	98906-22

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