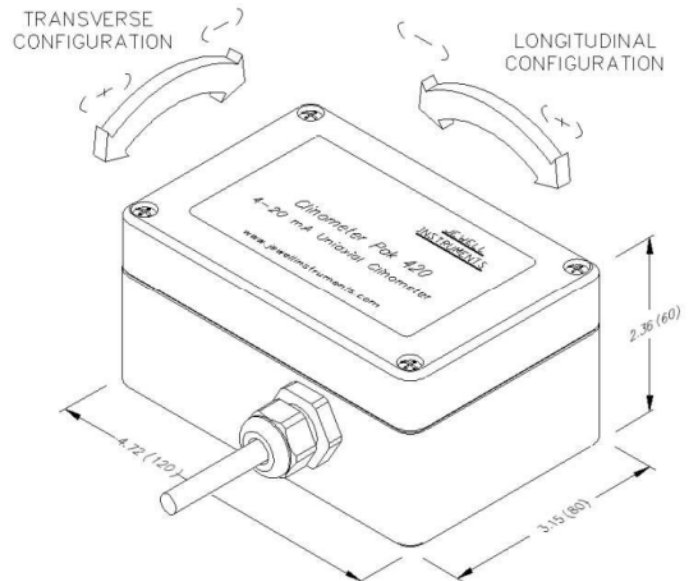
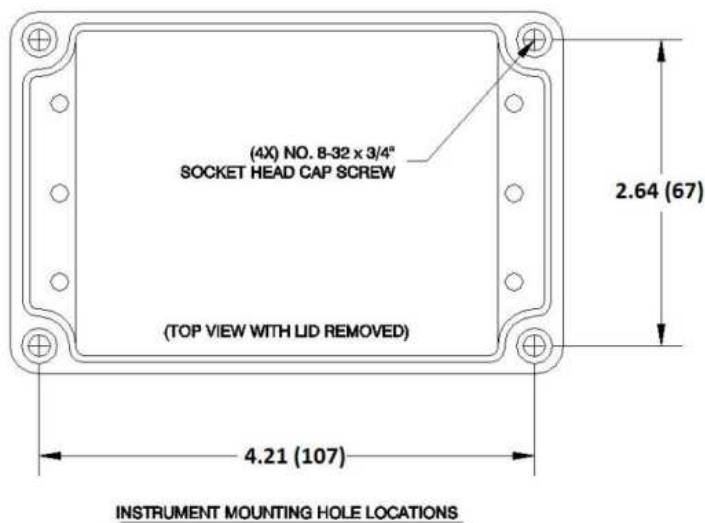


## Model C904 Clinometer Pak 420

The model C904 "Clinometer Pak 420" uniaxial clinometer delivers the same reliable performance as the A904, but with 4-20mA output. Units are available with longitudinal or transverse axis configuration. The C904 operates as a 2-wire 4-20mA current loop, and will drive signal over 1000m or more. Units also include an on-board thermistor for temperature measurement. Use the C904 with industrial PLC's, platform position and control, geotechnical monitoring, or any application where long cables are required.



# PERFORMANCE SPECIFICATIONS

## PERFORMANCE

VERSION	High-Gain	Standard	Wide-Angle
ANGULAR RANGE (°) <sup>1</sup>	±10°	±25°	±50°
SCALE FACTOR	1.25°/mA	3.125°/mA	6.25°/mA
NONLINEARITY (%FRO) <sup>2</sup> max	1%	2.5%	7%
NONREPEATABILITY	0.01°	0.02°	0.04°
RESOLUTION	0.005°	0.01°	0.02°
TIME CONSTANT	0.15 sec		
Kz TEMP COEFFICIENT (°/C)	10-20 arcsec/C (typical)		
Ks TEMP COEFFICIENT (%/°C)	0.03%/C (typical)		
OUTPUT	4-20mA, 2-wire Current Loop		
CHANNELS	X-tilt, Y-tilt, Temperature		

## ELECTRICAL & ENVIRONMENTAL

NUMBER OF AXES	2
OUTPUT IMPEDANCE (Ohms, nominal)	270, short circuit protected
NATURAL FREQUENCY	10 Hz
POWER	(0.02 Ampere x R + 10 VDC) < Vs < 29 VDC
OPERATING TEMPERATURE RANGE	-40° to +85° C
STORAGE TEMPERATURE RANGE	-40° to +85° C
WEIGHT	0.5 kg (1.1 lb.)
MATERIALS	Die-cast aluminum, painted
CABLE	3m (10ft), 5-conductor + one overall shield, PVC jacket, tinned ends

## PIN OUT:

CONNECTOR	FUNCTION
RED	V+
BLACK	GND
GREEN	X-OUT
BLUE	Y-OUT
YELLOW	TEMPOUT

### NOTES:

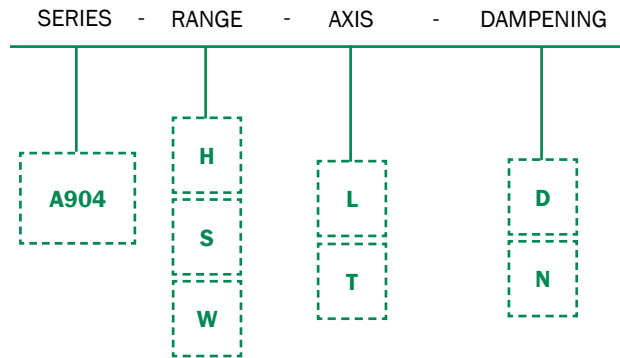
1. Custom ranges available on request
2. Nonlinearity is specified as deviation of output referenced to theoretical sine function value, independent of misalignment

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.



MODEL #	PART #
C904-HL-D	98016-10
C904-HL-N	98016-04
C904-HT-D	98016-07
C904-HT-N	98016-01
C904-SL-D	98016-11
C904-SL-N	98016-05
C904-ST-D	98016-08
C904-ST-N	98016-02
C904-WL-D	98016-12
C904-WL-N	98016-06
C904-WT-D	98016-09
C904-WT-N	98016-03

## Accessories:

PART #	DESCRIPTION
70369	6-conductor cable (specify required length on order)
62204	6-pin male receptacle (installed on tiltmeter cable)
62202	6-socket in-line plug (mates to P/N 62204 connector)
870/DMM	Optional 870 Readout Module with Digital Multimeter Display
81439	Mounting bracket for vertical surfaces
84051	Mounting plate for horizontal surfaces