

SPECIFICATIONS:

Analog I/Os: (See Note 1)

- 0 - 5 VDC output, 8 - 30 VDC input, 35mA max.
- 0.5 - 4.5 VDC output, 8 - 30 VDC input, 35mA max.
- 0 - 10 VDC output, 12 - 30 VDC input, 35mA max.
- 4 - 20 mA DC output, 18 - 30 VDC input, 60 mA max. (75 C max.)

Measuring Ranges: See range table

Zero and Full Scale: SenSet Adjustable

Linearity Error: ±0.15% of FSO (Full Span Output) typical, ±0.25% max.

Resolution: 0.025% of FSO

Update Rate: 300 Hz nominal

Operating Temperature Range: -20 to 85 C (-40 to 105 C extended temp.)

Temperature coefficient: <±0.015% of FSO/K

Humidity: 95% RH non-condensing

Shock: 1000 g, 11 msec.

Sealing: IEC IP-67

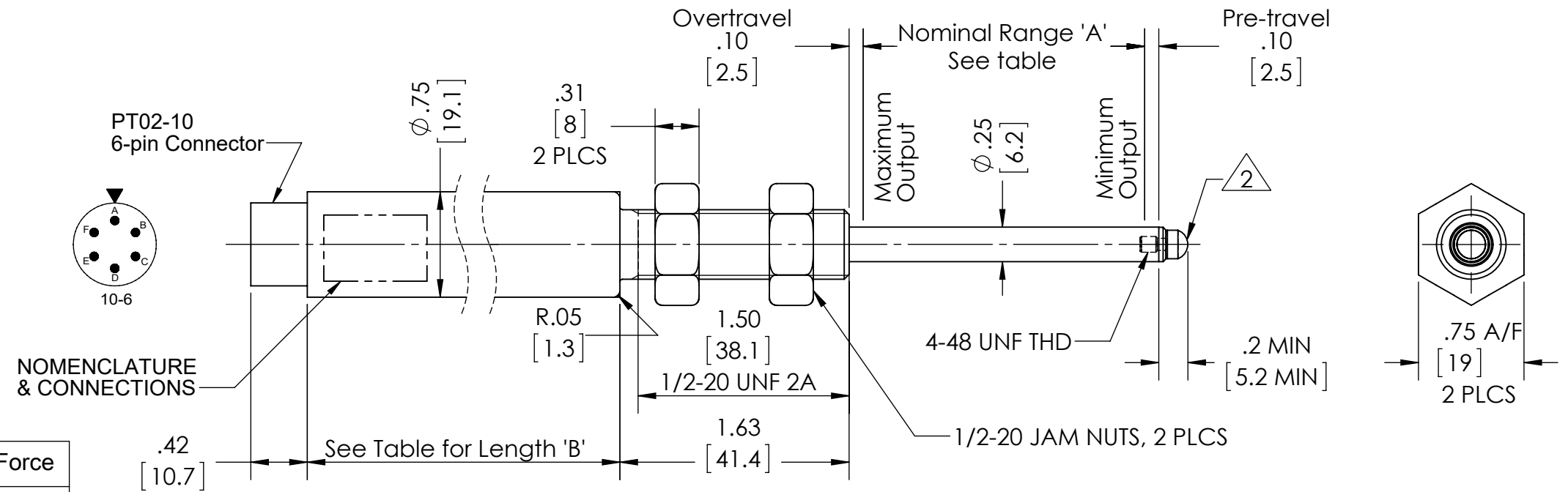
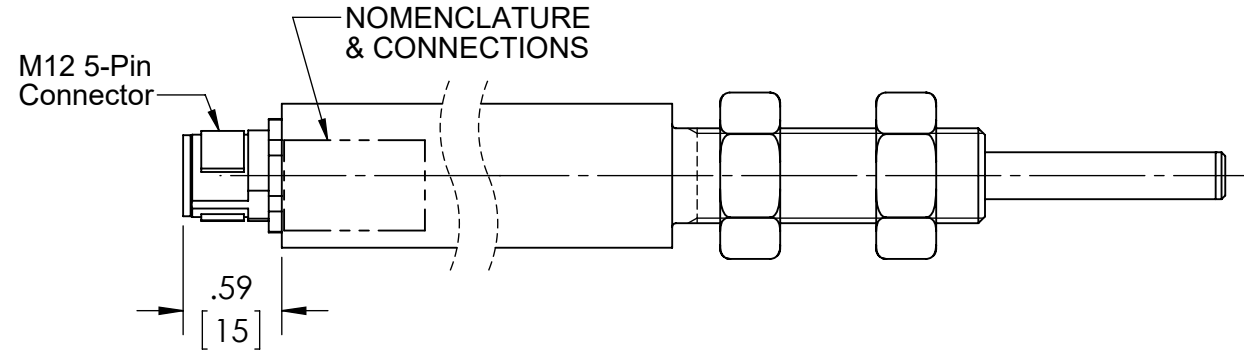
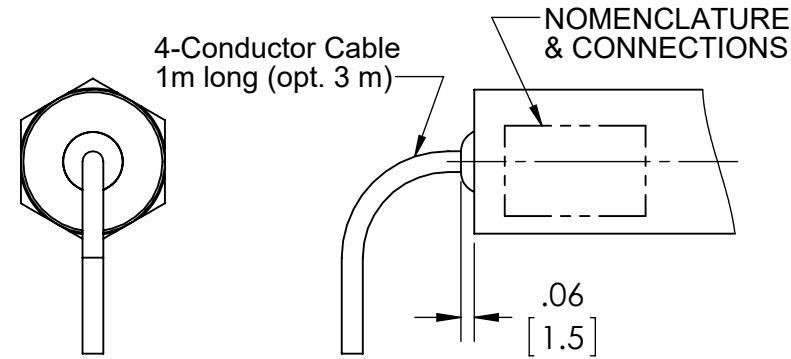
Notes:

1. Analog output is maximum with probe retracted; See technical data sheet to specify reversed output.

2. Sensor supplied with AGD #9 contact tip. (4-48 UNF THD)

3. Specifications are subject to change without notice. Please contact Alliance Sensors for the most up to date information.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
--	INITIAL RELEASE	09-02-16	EH
A	RANGE TABLE AND NUT SPECIFICATION UPDATED	02-17-17	EH
B	CABLE NOTE CHANGED, NOMENCLATURE BLOCK ADDED	08-29-17	EH
C	ECN 17-216: ADDED 0.13 AND 0.25 RANGES	10-20-17	EH



'A' Nominal Range	'B' Body Length	Spring Rate	Max. Force
inches [mm]	inches [mm]	Lbf/in [kgf/cm]	Lbf [kgf]
0.13 [3.3]	3.25 [82.6]	0.75 [0.134]	0.7 [0.32]
0.25 [6.4]	3.25 [82.6]	0.75 [0.134]	0.7 [0.32]
0.5 [13]	3.50 [88.9]	0.75 [0.134]	0.9 [0.41]
1.0 [25]	4.00 [101.6]	0.75 [0.134]	0.9 [0.41]
2.0 [50]	5.08 [129.0]	0.43 [0.077]	1.0 [0.45]
3.0 [75]	6.16 [156.5]	0.30 [0.054]	1.0 [0.45]
4.0 [100]	7.25 [184.1]	0.23 [0.041]	1.0 [0.45]

Electrical Connections Table			
I/O Function	M12 Pin	PT02-10 Pin	Cable Color
+ Power Input	1	E	Red
Common Ground	2	D	Black
Voltage Output *	3	A	Green
Current Output *	4	A	Green
SenSet™	5	B	White
EMI Shield / Drain	--	--	Tinned Copper

* Choose either voltage or current output, but not both

UNLESS OTHERWISE SPECIFIED:		CONTRACT NO.	
1. DO NOT SCALE DRAWING		--	
2. DIMENSIONS ARE IN INCHES		--	
3. INTERPRET DIM/TOL PER ANSI Y14.5M-1994		--	
4. DEBURR/BREAK SHARP EDGES		DRAWN BY: S P	
5. DIMS ARE BEFORE FINISH		DATE: 09-02-16	
6. (DATA) FOR REFERENCE ONLY		ENGINEER: Ed Herceg	
TOLERANCES		CHECKED BY: Ed Herceg	
DECIMAL: .XX ±.010	ANGULAR: ±.5°	QA: --	
.XXX ±.005		MFG: --	
THIRD ANGLE PROJECTION		APPROVED BY: --	
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ALLIANCE SENSORS GROUP
A DIVISION OF H.G. SCHAEVITZ LLC
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GHS-19-A series LVIT, 1/2-20 UNF thread
Outline Drawing

SIZE: B	CAGE CODE: 7LE43	DWG. NO.: 3000-0022-XX	REV: C
FILENAME: 3000-0022-XX	SCALE: 1:1	RELEASE DATE: --	SHEET 1 OF 1

DWG. NO. 3000-0022-XX REV. C EDITION 12-14-18 BY: S P