

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
--	INITIAL RELEASE	09-02-16	EH

**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.

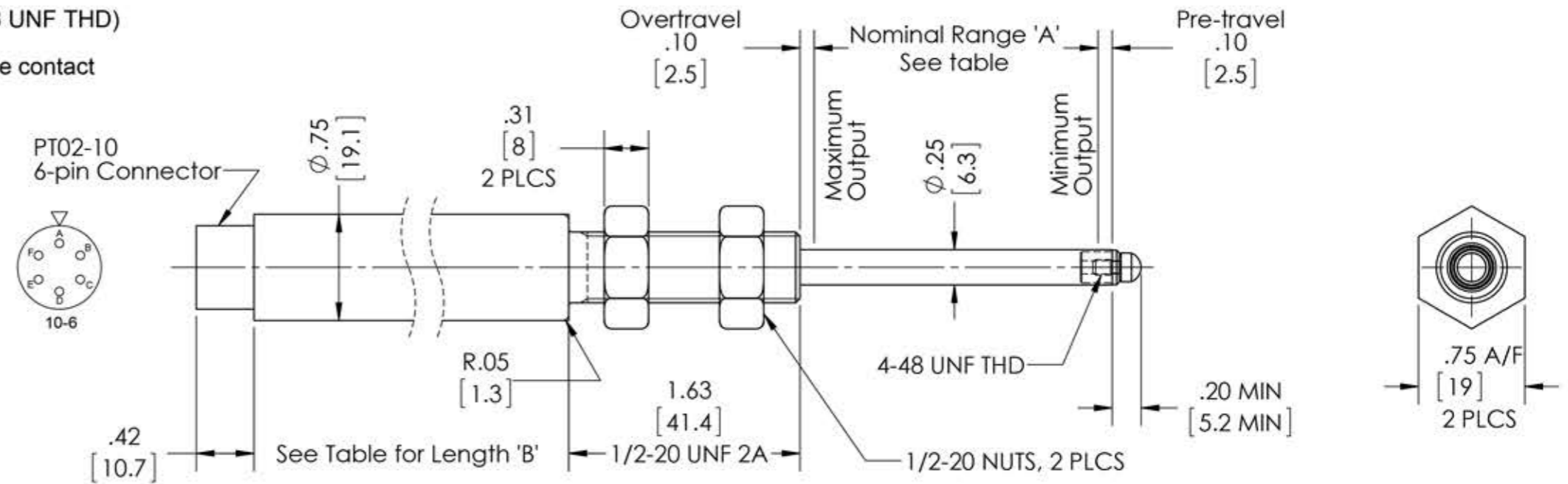
Sealing: IEC IP-67

**Notes:**

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

2. Sensor supplied with STARRETT #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.



'A' Nominal Range	'B' Body Length	Spring Rate	Max. Force
inches [mm]	inches [mm]	Lbf/in [kgf/cm]	Lbf [kgf]
0.5 [12.7]	3.50 [88.9]	0.75 [0.134]	0.9 [0.41]
1.0 [25.4]	4.00 [101.6]	0.75 [0.134]	0.9 [0.41]
2.0 [50.8]	5.08 [129.0]	0.43 [0.077]	1.0 [0.45]
3.0 [76.2]	6.16 [156.5]	0.30 [0.054]	1.0 [0.45]
4.0 [101.6]	7.25 [184.1]	0.23 [0.041]	1.0 [0.45]

GHS-19-A Electrical Connections	
I/O Function	PT02-10 Pin
+DC Power Input	E
Common Ground	D
Voltage Output	A
Current Output	A
SenSet™	B

UNLESS OTHERWISE SPECIFIED:		CONTRACT NO.	
1. DO NOT SCALE DRAWING		--	
2. DIMENSIONS ARE IN INCHES		DRAWN BY: SP	
3. INTERPRET DIM/TOL PER ANSI Y14.5M-1994		DATE: 09-02-16	
4. DEBURR/BREAK SHARP EDGES		ENGINEER: Ed Herceg	
5. DIMS ARE BEFORE FINISH		CHECKED BY: Ed Herceg	
6. (DATA) FOR REFERENCE ONLY		QA: --	
TOLERANCES		MFG: --	
DECIMAL: .XX ±.010	ANGULAR: ±.5°	APPROVED BY: --	
XXX ±.005			
THIRD ANGLE PROJECTION			

**ALLIANCE SENSORS GROUP**  
 A DIVISION OF H.G. SCHAEVITZ LLC  
 Moorestown, New Jersey USA [alliancesensors.com](http://alliancesensors.com)

**GHS-19-A series LVIT, 1/2-20 UNF thread**  
**Outline Drawing**

SIZE: B CAGE CODE: N/A DWG. NO: 3000-0022-XX-Y REV: --  
 FILENAME: 3000-0022-XX-Y SCALE: 1:1 RELEASE DATE: -- SHEET 1 OF 1

DWG. NO. 3000-0022-XX-Y REV. -- EXT. 09-02-16 BY: S.P.