

| 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.

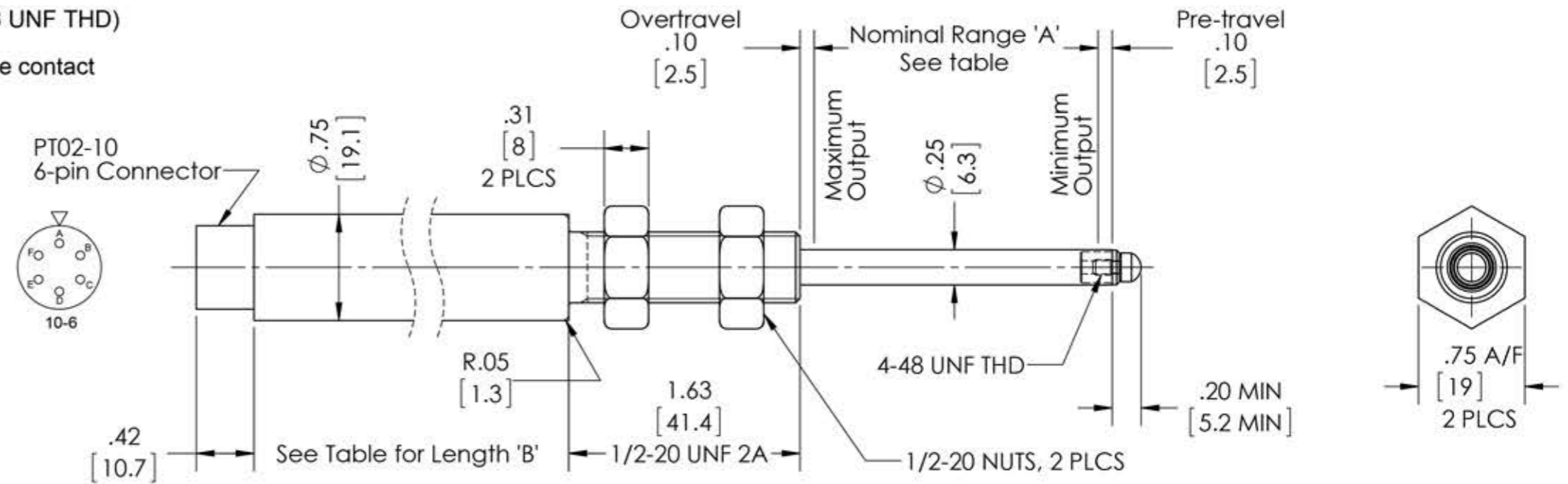
Sealing: IEC IP-67

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 | | DATE: -- | |
| THIRD ANGLE PROJECTION | | FILENAME: 3000-0022-XX-Y | |
| | | SCALE: 1:1 | |

ALLIANCE SENSORS GROUP
 A DIVISION OF H.G. SCHAEVITZ LLC
 Moorestown, New Jersey USA 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: -- |
| RELEASE DATE: -- | | SHEET 1 OF 1 | |

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

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Brazil and South America / Brasil e América do Sul



Address / Endereço:

Rua Sete de Setembro, 2656
13560-181 - São Carlos - SP
Brazil / Brasil

Phone / Telefone:

+55 (16) 3371-0112
+55 (16) 3372-7800

Internet:

www.metrolog.net
metrolog@metrolog.net

ALLIANCE SENSORS GROUP
A DIVISION OF H.G. SCHAEVITZ LLC

Alliance Sensors Group
102 Commerce Drive, Unit 8
Moorestown, New Jersey 08057 USA
Ph: 856-727-0250
www.alliancesensors.com
info@alliancesensors.com