



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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


**SPECIFICATIONS:**

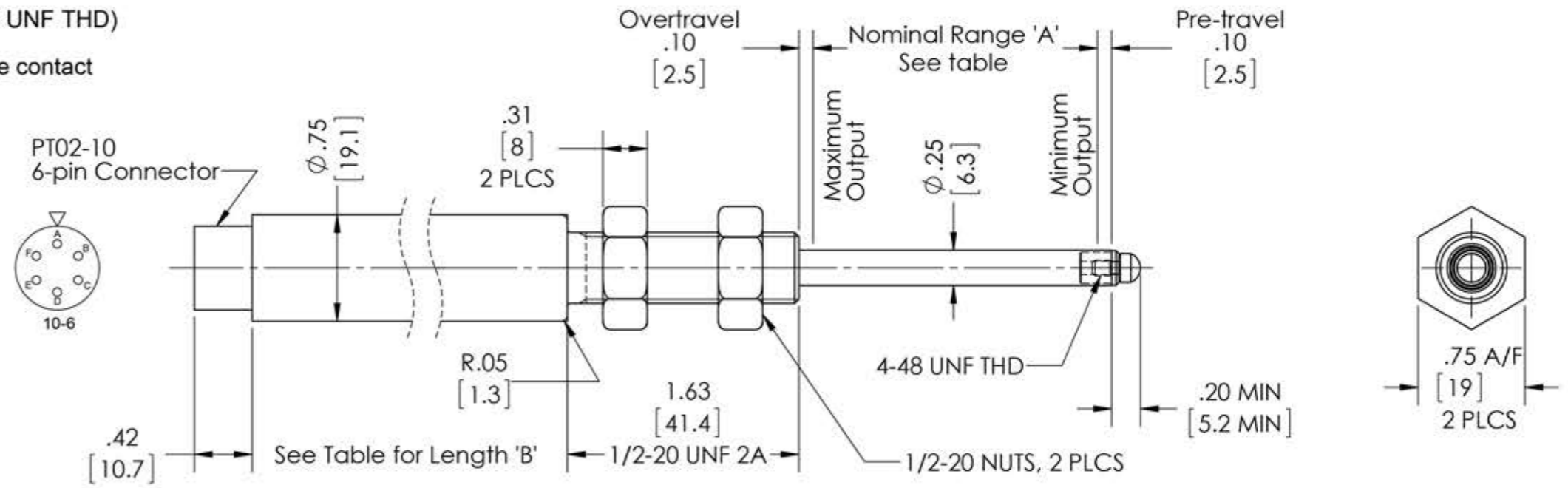
Analog I/Os: (See Note 1)

- 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

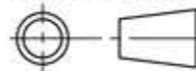
**Notes:**

- Analog output is maximum with probe retracted; See technical data sheet to specify reversed output.
-  . Sensor supplied with STARRETT #9 contact tip. (4-48 UNF THD)
- 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](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.