

SPECIFICATIONS:

Analog I/Os: (See Note 1)

- 0 - 5 V DC output, 8 - 30 V DC input, 20 mA nominal
- 0.5 - 4.5 V DC output, 8 - 30 V DC input, 20 mA nominal
- 0 - 10 V DC output, 12 - 30 V DC input, 20 mA nominal
- 4 - 20 mA 3-wire sourcing DC output, 18 - 30 V DC input, 45 mA nominal (75 C max.)

Do not connect to a 2-wire loop-powered system

Measuring Ranges: See range table below

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

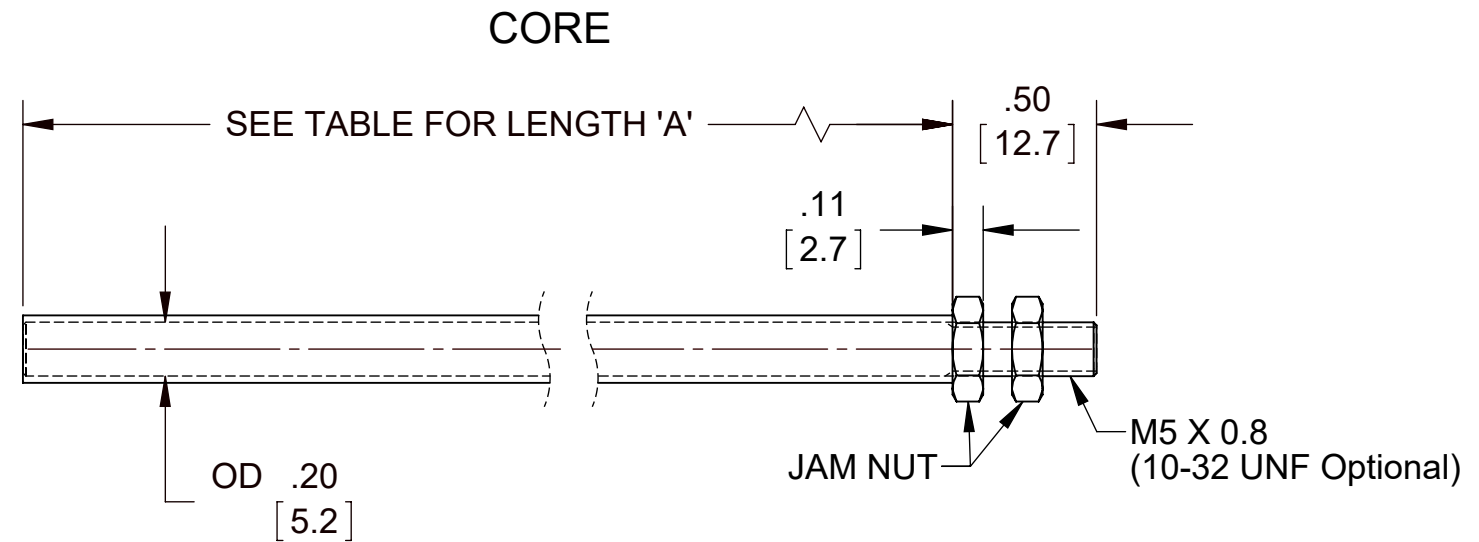
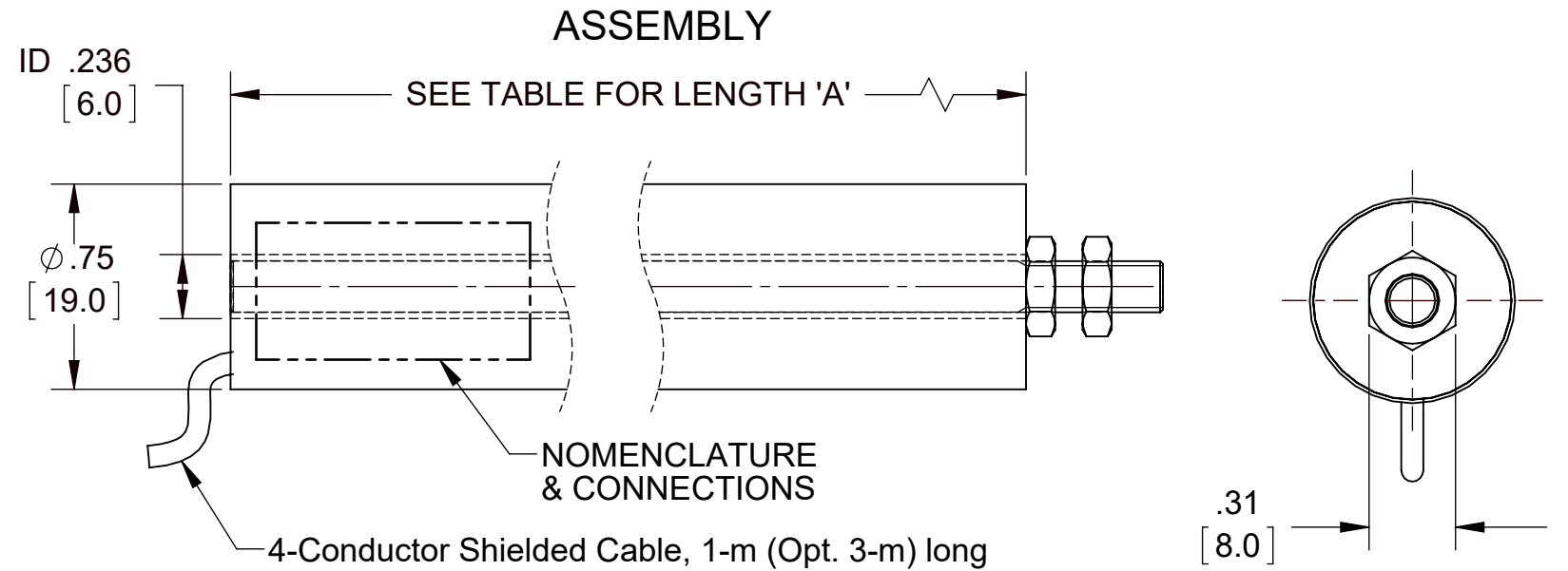
Vibration: 5 - 20 Hz, 0.5 inch p-p; 20 - 2000 Hz, 4.2 g p-p

Shock: 1000 g, 11 msec.

Note 1: Standard output is maximum with core extended

Specifications subject to change without notice

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
--	INITIAL RELEASE	07-31-18	EH
A	REVISED AS PER ECN 18-253	08-21-18	EH
B	REVISED AS PER ECN 19-272	03-08-2019	EH
C	REVISED AS PER ECN 19-295	12-04-2019	EH



LZ-19 Range Table

Nominal Range		Length "A"
Inches	mm	Inches (mm)
0.10	2.5	1.38 (35.0)
0.25	6.4	1.38 (35.0)
0.50	12.7	1.38 (35.0)
0.75	19	1.38 (35.0)
1.00	25	1.38 (35.0)
1.25	32	1.63 (41.3)
2.00	50	2.38 (60.5)
3.00	75	3.38 (85.9)
4.00	100	4.38 (111.1)
6.00	150	6.50 (165.1)
8.00	200	8.50 (215.9)
10.00	250	10.50 (266.7)
12.00	300	12.50 (317.5)
15.00	375	15.75 (400.0)
18.00	450	18.75 (476.2)
24.00	600	25.00 (635.0)
30.00	750	31.00 (787.4)

LZ-19 Connections Table

I/O Function	Color
+ Power Input	Red
Ground	Black
Analog output	Green
SenSet™	White
Shield / drain *	Shield

***Shield unconnected internally**

UNLESS OTHERWISE SPECIFIED: 1. DO NOT SCALE DRAWING 2. DIMENSIONS ARE IN INCHES 3. INTERPRET DIM/TOL PER ANSI Y14.5M-1994 4. DEBURR/BREAK SHARP EDGES 5. DIMS ARE BEFORE FINISH 6. (DATA) FOR REFERENCE ONLY		CONTRACT NO. --
DRAWN BY: S P	DATE: 07-31-18	<p>ALLIANCE SENSORS GROUP A DIVISION OF H. G. SCHAEVITZ LLC Moorestown, New Jersey USA alliancesensors.com</p> <p>LZ-19-XX-A OUTLINE</p>
ENGINEER: Ed Herceg	CHECKED BY: Ed Herceg	
TOLERANCES	DECIMAL: .XX ±.010 XXX ±.005	ANGULAR: ±.5°
THIRD ANGLE PROJECTION	MFG: --	APPROVED BY: --

SIZE: B	CAGE CODE: 7LE43	DWG. NO.: 3020-0011-XX	REV: C
FILENAME: 3020-0011-XX	SCALE: N/A	RELEASE DATE: --	SHEET 1 OF 1

DWG. NO. 3020-0011-XX REV. C EDITION 12-04-2019 BY: S P