

**SPECIFICATIONS:**

Analog I/Os: (See Note 1)

- 0 - 5 V DC output, 8 - 30 V DC input, 35 mA max.
- 0.5 - 4.5 V DC output, 8 - 30 V DC input, 35 mA max.
- 0 - 10 V DC output, 12 - 30 V DC input, 35 mA max.
- 4 - 20 mA DC output, 18 - 30 V DC 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

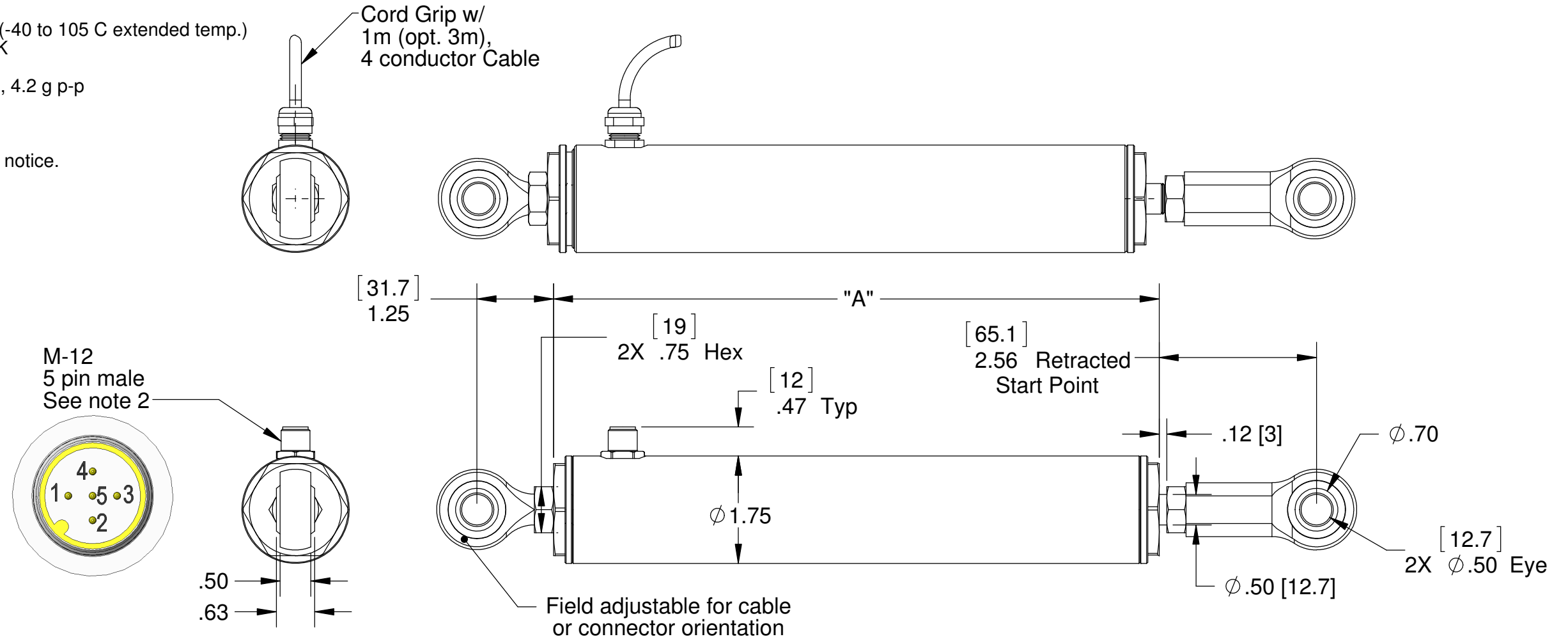
Vibration: 5-20 Hz, 0.5 inch p-p; 20-2000 Hz, 4.2 g p-p

Shock: 1000 g, 11 msec.

Sealing: IEC IP-67

Specifications are subject to change without notice.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	Re-dimensioned with new table.	08-02-16	EH
B	Add M12 pinout view, reference ECN 16-178	09-20-16	EH



**Notes:**

1. Operating rod fully extended for maximum output, and minimum at "Retracted Start Point".
2. See Data sheet for to specify reversed output and termination options.

LINEAR RANGE		LENGTH "A"
4 Inches	100 mm	9.88 Inches [250.9 mm]
6 Inches	150 mm	11.88 Inches [301.7 mm]
8 Inches	200 mm	13.88 Inches [352.5 mm]
10 Inches	250 mm	15.88 Inches [403.3 mm]
12 Inches	300 mm	17.88 Inches [454.1 mm]
15 Inches	375 mm	20.88 Inches [530.4 mm]
18 Inches	450 mm	23.88 Inches [606.6 mm]

Ordering Guide	
Model	Output
LVE	Voltage
LVI	Current

Wiring Table		
Function	Pin	Cable Color
+DC Power Input	1	Red
Ground	2	Black
Voltage output*	3	Green
Current output*	4	Green
SenSet™	5	White

\*Choose output Pin 3 or output Pin 4 but not both.

UNLESS OTHERWISE SPECIFIED:		CONTRACT NO.	
1. DO NOT SCALE DRAWING		--	
2. DIMENSIONS ARE IN INCHES		DRAWN BY: G E Miller	
3. INTERPRET DIM/TOL PER ANSI Y14.5M-1994		DATE: 02-03-14	
4. DEBURR/BREAK SHARP EDGES		ENGINEER: Ed Herceg	
5. DIMS ARE BEFORE FINISH		DATE: 02-03-14	
6. (DATA) FOR REFERENCE ONLY		CHECKED BY: Ed Herceg	
TOLERANCES		QA: --	
DECIMAL: .XX ±.010	ANGULAR: ±.5°	MFG: --	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)

**LVX-45-R Outline**

SIZE: <b>B</b>	CAGE CODE: N/A	DWG. NO.: <b>3000-0009-XX</b>	REV: <b>B</b>
FILENAME:		SCALE: 1:2	RELEASE DATE: --
		SHEET 1 OF 1	

**DISTRIBUTOR / DISTRIBUIDOR**

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](http://www.metrolog.net)  
[metrolog@metrolog.net](mailto: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](http://www.alliancesensors.com)  
[info@alliancesensors.com](mailto:info@alliancesensors.com)