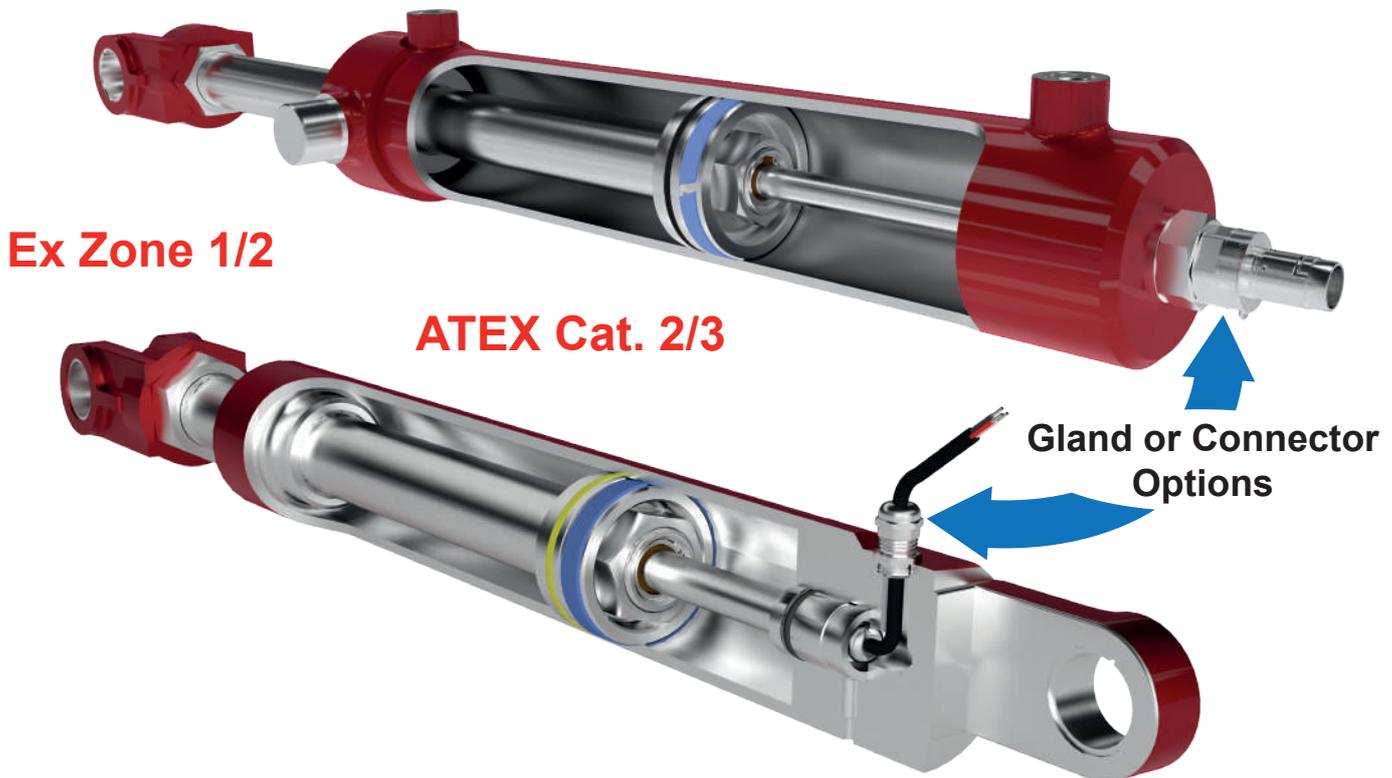




LD SERIES LINEAR TRANSDUCER DATA SHEET



- Utilises the well proven LK Electronic Technology
- Optional Live Connect/ Disconnect without Hot Work Permit
- Incredibly Compact and various Mounting options are available
- Fit to existing Ex Zone 1/2, ATEX Category 2/3 systems
- No Intrinsically Safe Isolator/ Barrier Cost
- 2 Wire, 4 to 20mA option available

CERTIFICATION

Baseefa17ATEX0049X

IECEx BAS 17.0033X

- Ex mb IIC T3/T4/T5 Gb (-50°C ≤ Ta ≤ +80°C/75°C/40°C)
- Ex mb I Mb - Mining Certification available on request

CSA 17.70116573 Class I, Zone 1

- AEx mb IIC T3/T4/T5 Gb (-50°C ≤ Ta ≤ +80°C/75°C/40°C)
- Ex mb IIC T3/T4/T5 Gb (-50°C ≤ Ta ≤ +80°C/75°C/40°C)
- When fitted with DR4 Connector (-40°C ≤ Ta ≤ +60°C/60°C/40°C)

ENCLOSURE

- Compact Head designs - Signal Conditioning included in tube, eliminating large electronic enclosure
- 16 mm O/Dia 316L stainless steel enclosure

PERFORMANCE

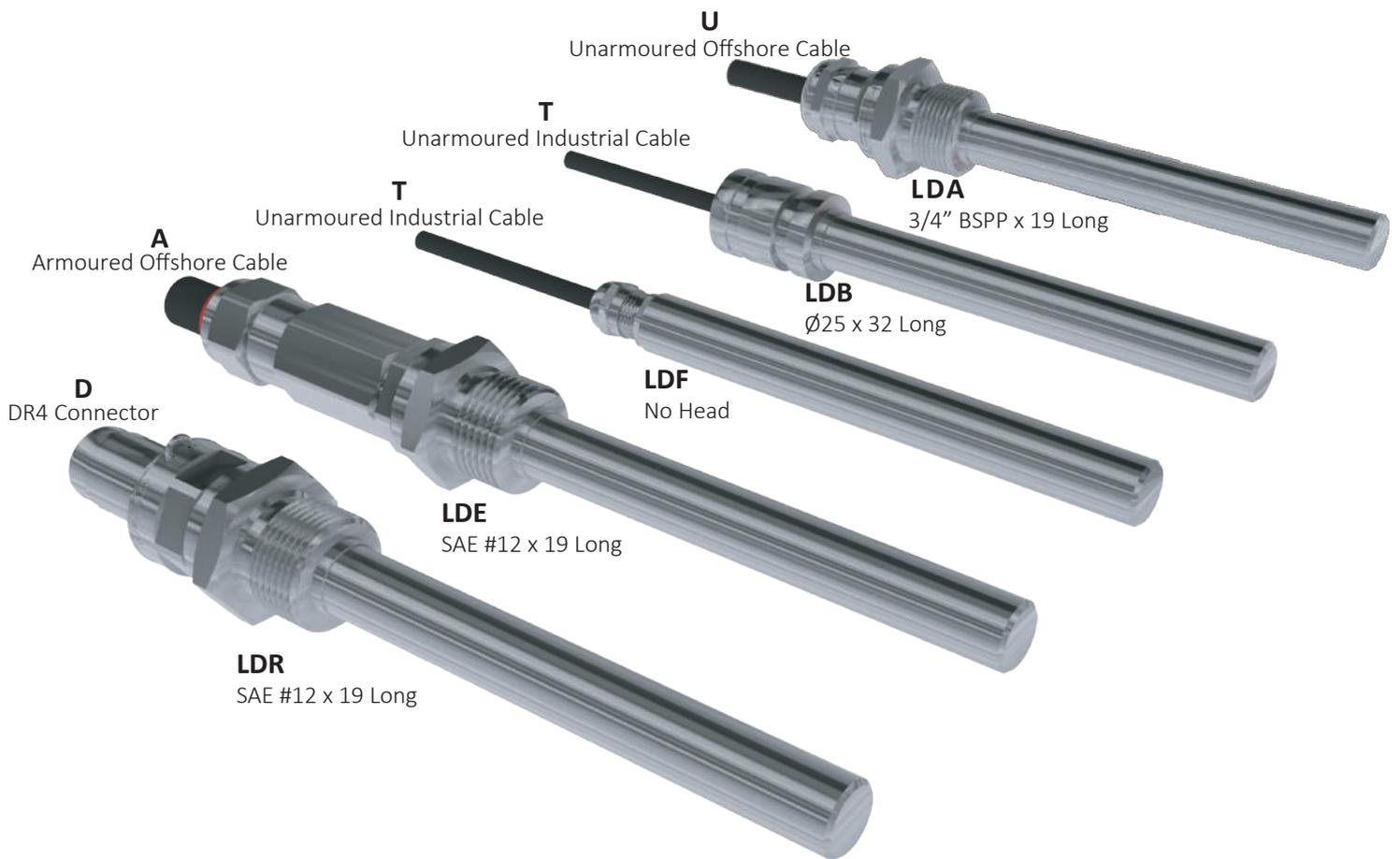
- Absolute Signal Output
- -40°C to +80°C Operating Temperature
- High speed
- Solid State Zero Wear
- Excellent Shock and Vibration Resistance
- Working Pressure 475 Bar (6900PSI)
- Up to 20m Stroke



RELIABLE OPERATION TOUGH APPLICATION



LD EXAMPLE ORDERING CODE



LD Range

LD A M 0950 FT 0.3 V L T 0.6 1234

Unique Transducer Calibration Number

Mounting Configuration

- A 3/4" BSPP
- B Internal Cylinder mount
- E SAE #12 (1 1/16"-12 UNF)
- F No Head
- Q 3/4" BSPP
- R SAE #12 (1 1/16"-12 UNF)

M Ex mb - Encapsulation

Stroke

Indication in millimetres

Magnet Code

- FT (0.3 mm resolution, not suitable for LDF)
- FV (0.1 mm resolution, not suitable for LDF)
- R? LDF (Contact Rota for magnet options)

Signal Resolution

- 0.3 millimetres
- 0.1 millimetres

Cable Length (metres)

Electrical Termination

- A Armoured Offshore Cable (LDA, LDE)
- D Rota DR4 Connector (LDQ, LDR)
- T Unarmoured Industrial Cable (LDB, LDF)
- U Unarmoured Offshore Cable (LDA, LDE)

Optional Calibration

- C 'End of stroke' signal positions set by customer
- L 'End of stroke' signal positions factory set at Rota

Output Signal

- A Current 4 to 20 mA (3 wire) (15 to 24V)
- F Voltage 0.25 to 4.75 V (11 to 24V)
- G Voltage 0.5 to 4.5 V (11 to 24V)
- H Voltage 0.5 to 10.0 V (11 to 24V)
- P Pulse width modulation (13 to 24V)
- T Current 4 to 20 mA (2 wire) (16 to 24V)
- V Voltage 0.5 to 5.0 V (11 to 24V)



RELIABLE OPERATION TOUGH APPLICATION

Rota Limited, Manchester UK

www.rota-ltd.com

LDDS V3.03.04