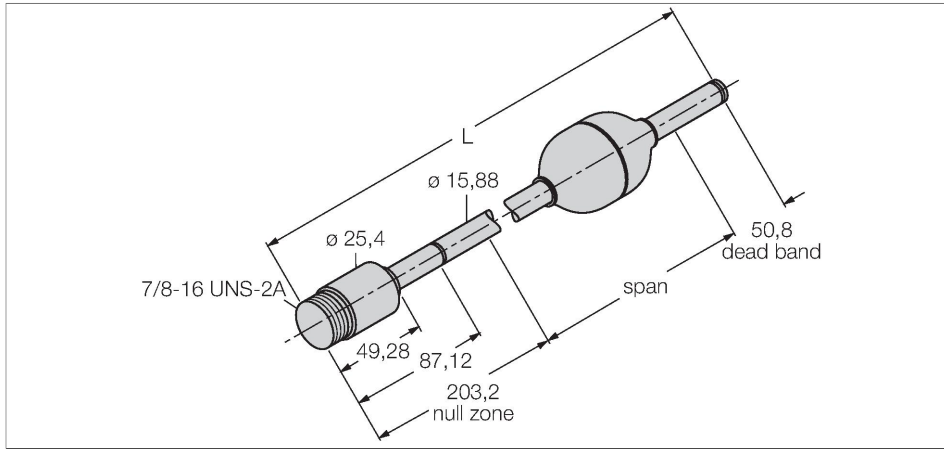


# LT42E-R16-3LI0-EX-D

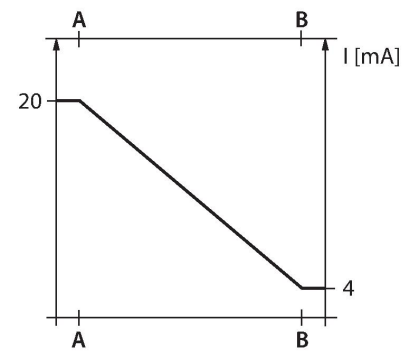
## Linear Position Sensor – Analog



### Features

13.5...30 VDC  
Analog output, 20...4 mA  
loop-powered

### Functional principle



### Technical data

|                         |                                                              |
|-------------------------|--------------------------------------------------------------|
| Type                    | LT42E-R16-3LI0-EX-D                                          |
| ID                      | 100046312                                                    |
| Measuring principle     | Magnetostrictive                                             |
| Resolution              | 0.025 % of full scale/0.014 in. (whichever value is greater) |
| Null zone               | 2 in.                                                        |
| Dead band               | 8 in.                                                        |
| Accuracy                | 0.1 % of full scale or 0.050 in                              |
| Repeatability           | 0.014 in + 0.05 % of full scale (typ.)                       |
| Operating voltage $U_b$ | 13.5...30 VDC                                                |
| Output function         | 2-wire, Analog output                                        |
| Current output          | 20...4 mA                                                    |
| Current consumption     | loop-powered                                                 |
| Approvals               | ATEX<br>FM Div.1<br>FM Div.2                                 |
| Flange Adapter          | Without adapter                                              |
| Housing material        | Stainless steel, 1.4435 (AISI 316L)                          |
| Electrical connection   | Connector, Dual 3/4 in. NPT                                  |
| Ambient temperature     | -20...+70 °C                                                 |
| Protection class        | IP68                                                         |
| Pressure resistance     | 1015 psi                                                     |