

Cylinder Position in Hazardous Locations

Worldwide Hazardous Location Approvals

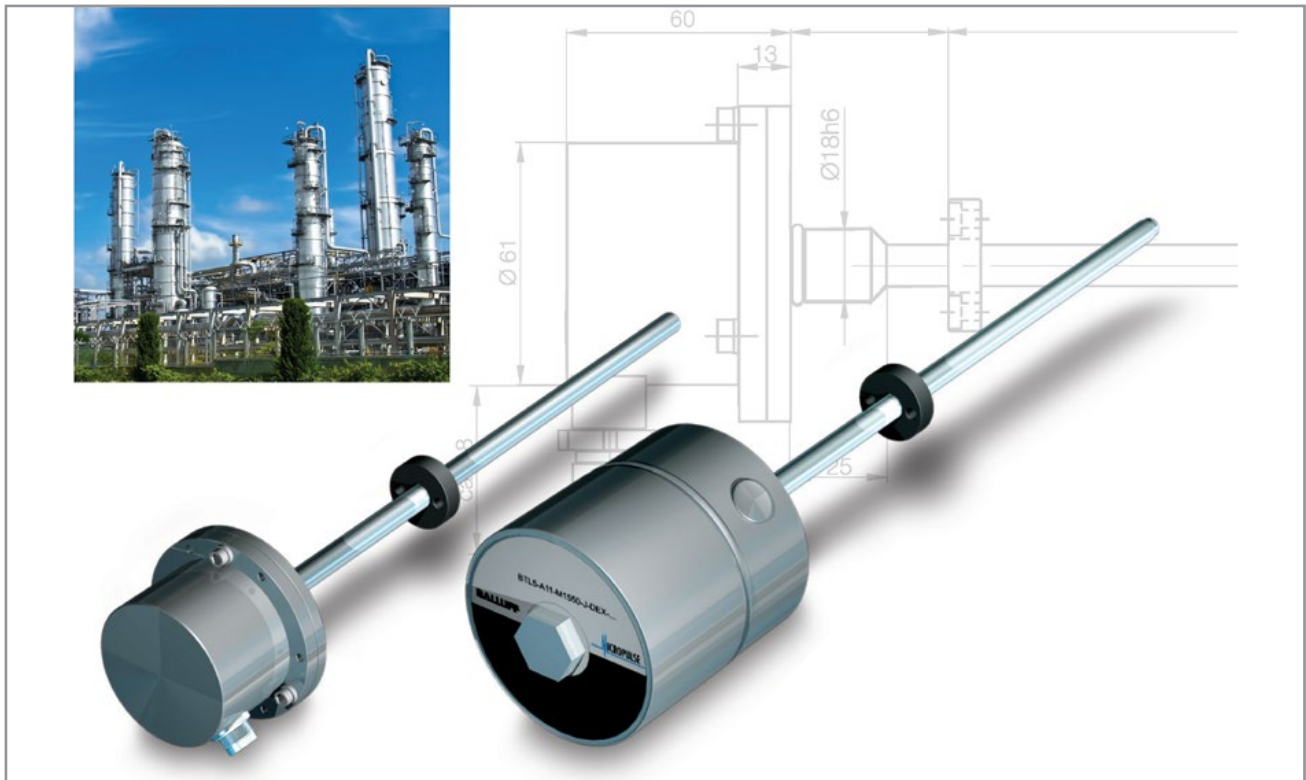
Micropulse linear position sensors provide accurate, precise hydraulic cylinder position feedback in hazardous location. Available in multiple form factors, and with worldwide hazardous area approvals, Micropulse rod style linear position sensors are used in demanding applications around the globe.

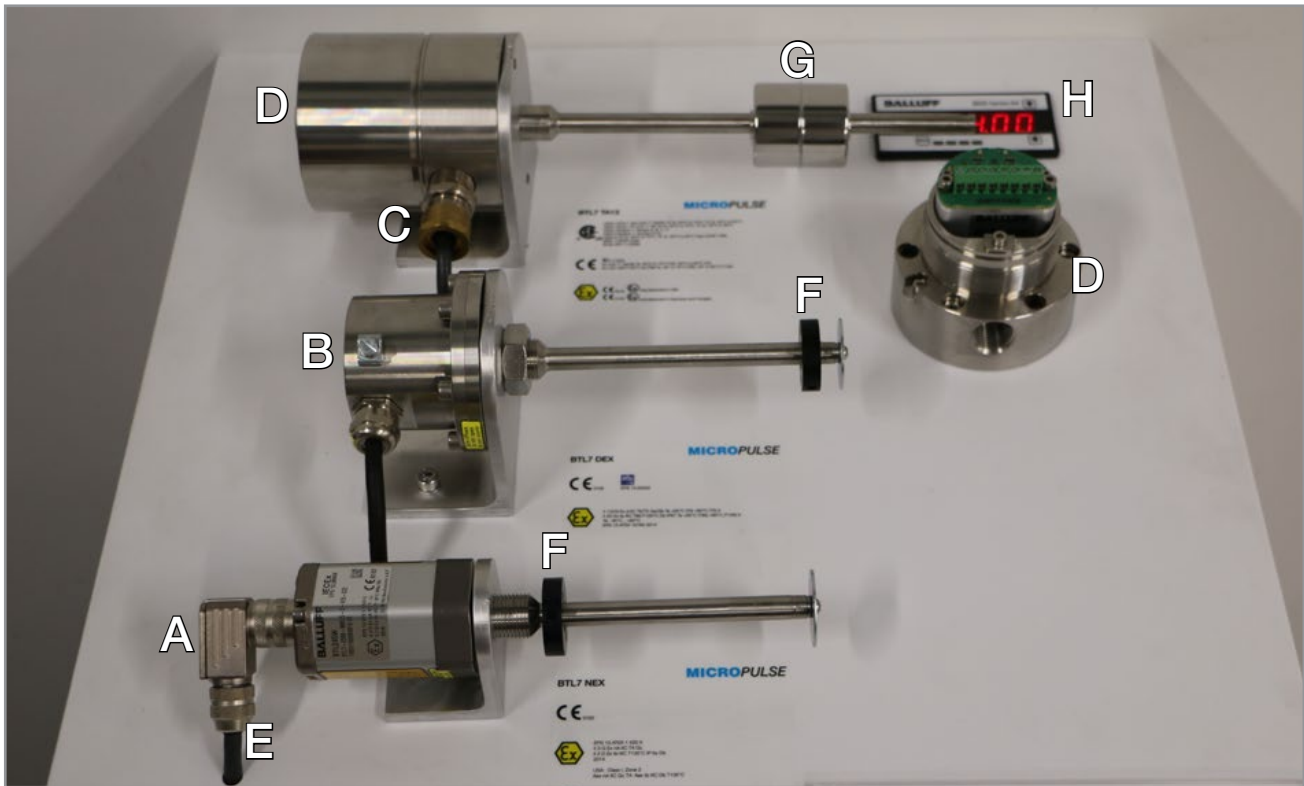
Applications:

- Position feedback on hydraulically-actuated valves
- Position feedback in hydraulic cylinders in hazardous locations
- Level monitoring and control
- Turbine speed control applications


















Features/Benefits

- Available worldwide hazardous location approvals (ATEX, IECx, North America)
- Ex-proof protection scheme eliminates need for intrinsically safe (IS) barriers
- Wide range of output options to interface with virtually any control system
- Stroke lengths from 2" to 300"
- Available with up to IP68 ingress protection for use in demanding environmental conditions





Letter	Order Code	Description
A	BTL245W	Linear transducer, 4...20 mA rising, 25 mm length, standard 3/4"-16 UNF mounting threads, Short safety stop, Non-incendive, 8-pin M16 Connector
B	BTL245Y	Linear transducer, 4...20 mA rising, 40 mm length, standard 3/4"-16 UNF mounting threads, Short safety stop, flameproof encapsulation, PUR cable 2 m
C	BAM011T	Connector to TA12
D	BTL24P3	Linear transducer, 4...20 mA rising, 102 mm length, rod style, smooth flange, O-ring seal, flameproof encapsulation, terminal block connection, 1/2" - 14 NPT conduit entry, Rapid replatment module
E	BCC0UR	Connector to NEX
F	BAM013L	Linear transducer magnet, Plastic
G	BAM0147	Linear transducer float magnet, Ex-rated, Stainless steel
H	BAE004R	LED digital display, 5-digit, 0...10v/4...20mA input

<p>BTL7 TA12</p> <p>  Class I Zone 1 Aex d IIC T* Ga/Gb T6 Ta -50°C to 70°C, T5 Ta -50°C to 80°C Class I Zone 1 Ex d IIC T* Gb T6 Ta -50°C to 70°C, T5 Ta -50°C to 80°C Class I Division 1, Groups A, B, C, D Class II Division 1, Groups E, F, G Class III T6 Ta -50°C to 70°C, T5 Ta -50°C to 80°C Type 4X/6P; IP68 SIR4 11ATEX1104X IECEx SIR 11.0048X </p> <p>   II 1/2GD Ex d IIC T* Ga/Gb Ta -50°C to 70°C (T6) -50°C to 80°C (T5) Ex t IIC T85/1100°C Da IP68 Ta -50° to 70°C (T85) -50° to 80°C (T100) </p> <p>   0518  manufactured in USA   0102  manufactured in Germany and Hungary </p>	<p>BTL7 DEX</p> <p>   ₀₁₀₂ EPS 13.0024X </p> <p>  II 1/2/G Ex d IIC T6/T5 Ga/Gb Ta +65°C (T6) +80°C (T5) X II 2D Ex tb IIC T85/1100°C Db IP67 Ta +65°C (T85) +80°C (T100) X Ta -40°C...+80°C EPS 13 ATEX 1576X 2014 </p>	<p>BTL7 NEX</p> <p>   ₀₁₀₂ </p> <p>  EPS 13 ATEX 1 520 X II 3 G Ex nA IIC T4 Gc II 2 D Ex tb IIC T135°C IP 6x Db 2014 </p> <p>USA: Class I, Zone 2 Aex nA IIC Gc T4; Aex tb IIC Db T135°C</p> <p>  CAN: Class I, Zone 2 Ex nA IIC T4; Ex tb IIC T135°C </p> <p>  USA: Class I, Zone 2 Aex nA IIC Gc T4; Aex tb IIC Db T135°C C No.2670613 </p>
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