Level Transmitters
Model BLR-SBDF

Intertek 5004902

0359

HART COMMUNICATION PROTOCOL

Applications

BLR series transmitters are suitable for most industrial and commercial applications including:

- Refinery and chemical industries
- Energy and power plant technology
- Feed water heaters and boilers
- Oil and gas industries
- Offshore exploration and drilling
- Pipeline compressor applications

Product Features

- FLR process temperature ranges from -50°F to 600°F or -45°C to 315°C
- Cast aluminum epoxy coated Cast Aluminum or stainless housings
- Optional digital display

BLR-SBDF

Description

The **WIR** Series Reed Chain Indicator Transmitter is loop-powered, providing an output for the **WMI** Series Magnetic Level Indicator. A variety of resolution options are available depending on application accuracy requirements. Standard housing options include aluminum with blank or window cover and digital display, or stainless steel.

The **WIR** transmitter length will coincide with the measuring range of the **WMI** Series Magnetic Level Indicator.

Specifications

Housing:

CL.I Gr.BCD/CL.II Gr.EFG/CL.III (CSA, FM, UL)
EEx d IIC T6 CL.I Zone 1 (ATEX)
Ex d IIC T6 CL.I Zone 1 (IEC)
Type 4X / IP66

Options:

- Aluminum/epoxy coated, with blind or window cover
- Stainless Steel, with blind or window cover

Electrical Approvals

Conforms to:
- UL 61010-1
- FM 3600
- FM 3615”

Certified to:
- CAN/CSA Standard C22.2 No. 61010-1 and C22.2#30

Resolutions

5mm (0.197”), 10mm (0.394”), 15mm (0.591”)

Options

Connection

Attaches to WMI Magnetic Level Indicator

Power Source

14.5 - 29 VDC

Sensor Material

316SS

Standards

Safety Requirements for Electrical Equipment for Measurement, Control, and laboratory use - Part 1: General Requirements, UL 61010-1, Issued: 2012/05/11, 3rd Edition, Rev: 2015/07/15

Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements, CAN/CSA-C22.2 No. 61010-1, Issued: 2015/07/15. 3rd Edition.

FM 3600 Issue:2011/12/01 Electric Equipment for Use in Hazardous (Classified) Locations - General Requirements

FM 3615 Issued: 2006/08/01 Explosionproof Electrical Equipment General Requirements

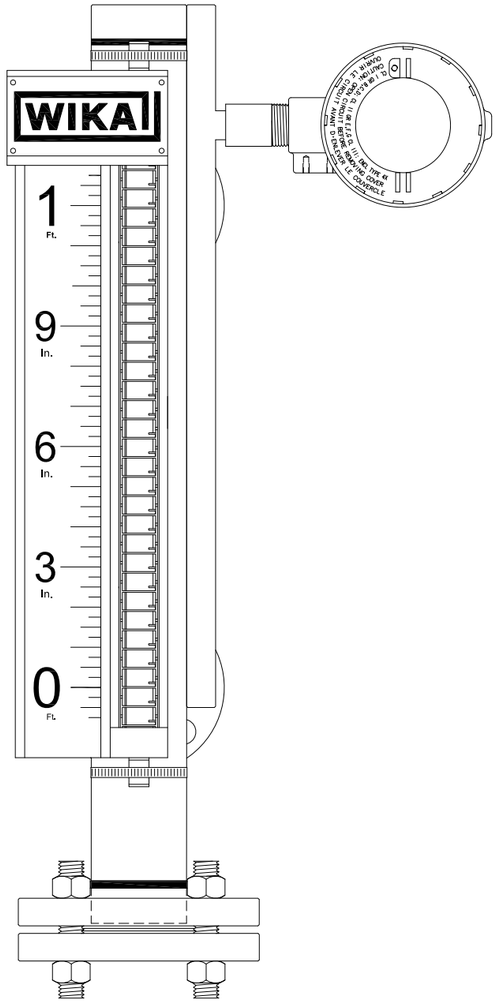
CSA C22.2#30 Issued: 1986/11/01 (R2012) Explosion-Proof Enclosures for Use in Class I Hazardous Locations General Instruction No. 1, 1986, General Instruction No. 2, 1988

FM 3616 Issued: 2011/12/01 Dust - Ignitionproof Electrical Equipment - General Requirements

CSA C22.2#25 Issued: 1966/09/01 (R2014) Enclosures for Use in Class II Groups E, F, and G Hazardous Locations; Gen. Inst. No. 1: 1966

ATEX

II 2G Ex d IIC T6 Gb
-50°C ≤ Ta ≤ +60°C



The specifications given in this document represent the state of engineering at the time of publishing. We reserve the right to make modifications to the specifications and materials.

BLR-SBDF Selection Guide								
Field no.	Code	Description						
1		**Resolution**						
	05	5mm (.19”)						
	10	10mm (.39”)						
	15	15mm (.59”)						
2		**Units of measure**						
	I	Imperial						
	M	Metric						
3		**Sensor length**						
	XXXX	Dimensions in inches or millimeters (Example 44” = 0044)						
4		**Housing**						
	ABX	Aluminum housing FM approved, XP/L/1/ BCD/T6 DIP/II/EFG/T3C						
	AWX	Same as ABX but with window cover to view digital indicator						
	SBX	Same as ABX but stainless steel construction						
	SWX	Same as SBX but with window cover to view digital indicator						
5		**Mounting**						
	U	Upper mount						
	L	Lower mount						

MODEL	Resolution	Units of measure	Sensor length	Housing	Mounting
BLR-SBDF					
Field no.	1	2	3	4	5

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