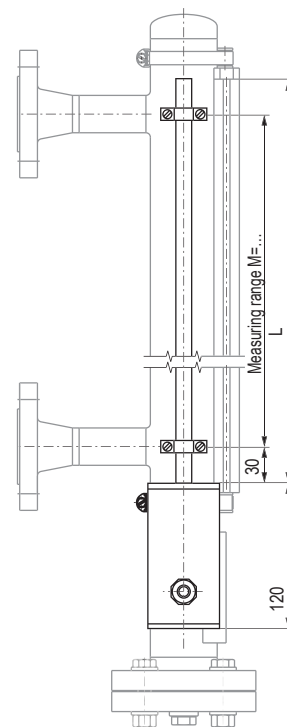
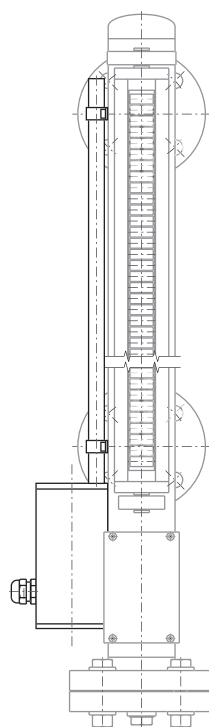


Design: II 2G EEx ib IIC T6-T3 – IIBExU 02 ATEX 1124 X
Bypass Design



FFG-BT-V-L.../M.../12 (-Ex)			
Electrical connection	Transmitter housing stainless steel 1.4301, Ingress protection IP68		
Sensor tube OD	OD 12 mm		
Sensor length	200 mm ... 6000 mm		
Permissible ambient temperature	Sensor tube -45 °C ... +125 °C Standard design Sensor tube -200 °C ... +200 °C HT design Transmitter housing-40 °C ... +85 °C		
Ex-Design	Category 2	Sensor tube	Transmitter housing
	T6 -25 °C ... +85 °C		-40 °C ... +40 °C
	T5 -25 °C ... +100 °C		-40 °C ... +55 °C
	T4 -25 °C ... +135 °C		-40 °C ... +85 °C
	T3 -25 °C ... +150 °C		-40 °C ... +85 °C
Connection	2-wire		
Supply voltage	10 ... 30 VDC		
Output signal	4 ... 20 mA		
Permissible circuit values	Type of protection intrinsically safe EEx ib IIC Ui < 30 V ; li < 200 mA ; Li < 250 µH ; Ci < 5 nF		
Error signal	Adjustable to 3.6 mA or 21.5 mA		
Accuracy / linearity	Better ±0.5 mm		
Resolution	< 0,1 mm		
Analogue section	± 0.1 % (20 °C) + 0.005 % / K		
Load	900 Ohm at UB = 30V DC ; 650 Ohm at UB = 24V DC ; 100 Ohm at UB = 12V DC		