

Transducer tube BLT-OM

for continuous level measurement on
level switches of the NS OM-VA series

The BLT-OM series sensors are suitable to ensure cost-effective and efficient level monitoring in hydraulic and lubrication oil tanks.

These can be ordered with classic 4-20 mA output signals in two possible resolutions.

Their robust design makes them suitable for virtually any liquid properties, allowing a wide range of applications.

The BLT-OM series meets virtually all requirements arising in this area of application.

BLT-OM1-LA-1A-5/VAR

BLT-OM1-LA-1A-10/VAR

4-20 mA output

Continuous liquid level detection

Nickel-plated brass housing

Up to 820 mm transducer length

Connection M12x1 plug connector

Customisable M12 plug included



Fluidcontrol



BLT-OM Technical Data

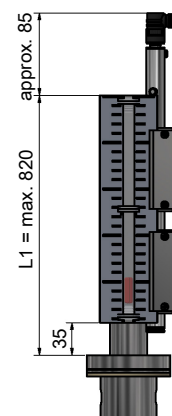
BLT-OM1-LA-1A-5/VAR with 4-20 mA output and 5 mm resolution.

BLT-OM1-LA-1A-10/VAR with 4-20 mA output and 10 mm resolution.

	1A
Transducer tube material:	Nickel-plated brass
Ambient temperature:	-20 °C to +70 °C
Lengths:	L1 = 280, 370, 500, 670, 820 mm*
Input value	
Sensor element:	Reed chain 5 or 10 mm resolution
Tolerance:	±1% FS**
Operating voltage (UB):	10–30 V DC
Measuring range:	4-20 mA > 0–100%
Output:	4-20 mA
max. load	(UB-7.5 V)/0.02 A

*Other lengths on request

** FS = 16 mA

Dimensions**BLT-OM default pin assignment**

Connector	M12 (base)
Number of pins	4-pin
DIN EN 61076-2-101	30 V DC
IP rating with IP67 cable box attached	IP67
Version	1A
Connection schematic	
	1A (4-20 mA)
1	+24 V DC
2	OUT 4-20 mA
3	GND
4	NC

Type code BLT-OM1-LA-1A-yy/VAR

BLT-OM1-LA-1A-5/VAR with 4-20 mA output and 5 mm resolution

BLT-OM1-LA-1A-10/VAR with 4-20 mA output and 10 mm resolution

Ordering example

You need: Visual and electric level monitoring in VA version
Length L1 670 mm, with M12 plug connection, resolution 5 mm, 4-20 mA output

You order: BLT-OM1-LA-1A-5/670

NOTICE! BLT is only the transducer tube for continuous level measurement. An NS OM-VA level switch is absolutely essential for use!