

# Model LT1060 series

OEM Submersible Level Transmitter  
Plastic probe for aggressive media  
Ceramic sensor

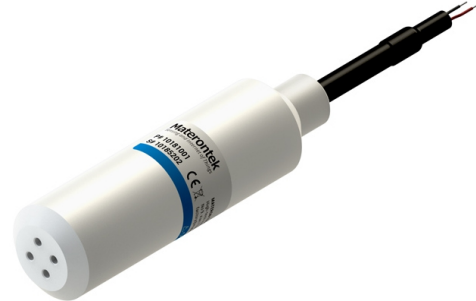
**Materontek**  
Sensing and Internet of Things

## Features

- ❑ Measuring ranges from 0.5 mH<sub>2</sub>O to 50 mH<sub>2</sub>O
- ❑ Gauge pressure
- ❑ Accuracy: ±0.5%FSO(Typ.), ±0.35%FSO
- ❑ Calibrated and temperature compensated
- ❑ Ceramic sensor
- ❑ PP,PVDF & PTFE housing
- ❑ Output 4...20mA, I2C, MODBUS, HART and others

## Application

- ❑ Level measurement
- ❑ Aggressive media level measurement
- ❑ Sewage treatment



## Technical data

### Measuring range

Nominal pressure [mH <sub>2</sub> O]	0.5	1	2	4	5	8	10	12	15	20	25	30	40	50			
--------------------------------------	-----	---	---	---	---	---	----	----	----	----	----	----	----	----	--	--	--

### Performance

Accuracy*	0.25%FS@25°C(Typ.) 0.5%FS@25°C(Max.)	*Linearity (best straight line) + Hysteresis + Repeatability
Operating Temperature	0 to 50°C	
Compensated Temperature Range	0 to 50°C	
Temp. coeff - Zero	±0.75[Typ.], ±1.5[Max.]	
Temp. coeff - Span	±0.75[Typ.], ±1.5[Max.]	
Vibration	20 g RMS(20 to 2000Hz)	
Shock	100 g(10ms)	
Cycles	10x10 <sup>5</sup>	
Long Term Stability	0.2 %FS	

### Electrical @25°C

Output signal / Supply	2-wire 4...20mA / V <sub>S</sub> = 9... 30VDC
	2-wire HART+4...20mA / V <sub>S</sub> = 12... 30VDC
	3-wire 1...5VDC / V <sub>S</sub> = 9... 30VDC
	3-wire 0.5...4.5VDC / V <sub>S</sub> = 9... 30VDC
	3-wire 0...10VDC / V <sub>S</sub> = 15... 30VDC
	3-wire 0.5...4.5VDC / V <sub>S</sub> = 5VDC
	4-wire I2C / V <sub>S</sub> = 3.3...5VDC
	4-wire MODBUS RTU / V <sub>S</sub> = 9...30VDC
Insulation Resistance	100 MΩ@100VDC
EMC Test	IEC61000-6-2/IEC61000-6-3
Reverse polarity protection	No damage - no function

### Physical Specifications

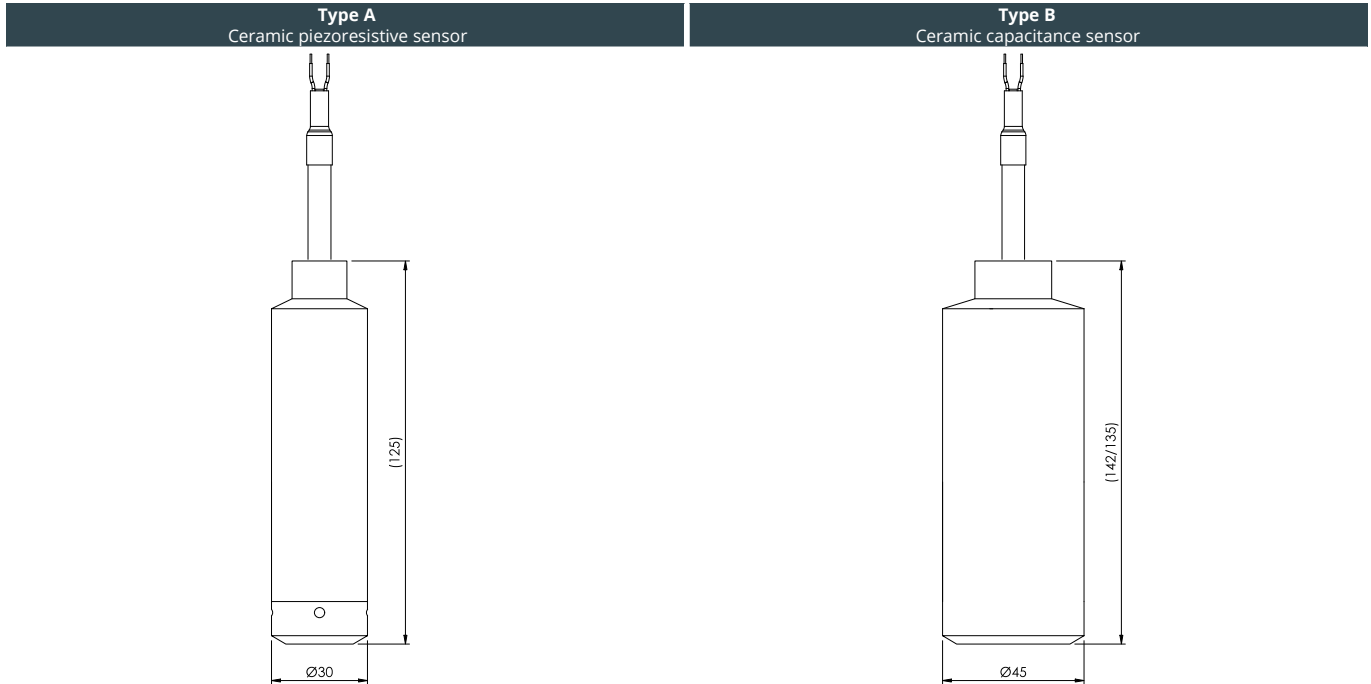
Housing	PP,PVDF & PTFE housing
Diaphragm	Ceramic 96%Al <sub>2</sub> O <sub>3</sub>
Cable sheath	PUR, PE, PTFE
Oil Filling	Na
Protection	IP68
Weight	~200g (without cable)

# Model LT1060 series

OEM Submersible Level Transmitter  
Plastic probe for aggressive media  
Ceramic sensor

**Materontek**  
Sensing and Internet of Things

Dimensions (All dimensions in mm)



## Electrical connections

Cable outlet	4...20mA 2-wire	1...5VDC 3-wire	0.5...4.5VDC 3-wire	RS485 4-wire
+Vcc	Red	Red	Red	Red
OUT/RS485A/SDA	Green	Yellow	Yellow	Yellow
GND	NA	Green	Green	Green
RS485 B/SCL				Blue

## Ordering code

Model	Type	Range	Type	Output	Cable	Cable length	Housing
LT1060	A Ceramic piezoresistive sensor	01 0.5mH <sub>2</sub> O	G Gauge	42 4...20mA	C1 PUR	XXX Cable length	H1 PP
		02 1mH <sub>2</sub> O		15 DC1...5V			C2 PE
	03 4mH <sub>2</sub> O	04 DC0.5...4.5V		C3 PTFE	H3 PTFE		
	04 5mH <sub>2</sub> O	25 DC0.5...2.5V					
	05 8mH <sub>2</sub> O	05 DC0...5V					
	06 10mH <sub>2</sub> O	01 DC0...10V					
	07 12mH <sub>2</sub> O	10 DC1...10V					
	08 15mH <sub>2</sub> O	H2					
	09 20mH <sub>2</sub> O	IC I2C interface					
	10 25mH <sub>2</sub> O	R4 MODBUS					
	11 30mH <sub>2</sub> O						
	12 40mH <sub>2</sub> O						
	13 50mH <sub>2</sub> O						
99 Custom							

Accuracy	Label
A1 0.1%FS	S Standard
A2 0.25%FS	N Neutral packing
A3 0.5%FS(Standard)	C Custom label

## Accessory

Code A1: Cable strain relief clamp

