

- Accuracy: $\pm 0.05\%$ F.S.
- Measuring Distance / Interval / Thickness
- High brightness 0.8" LED display range: -19999~99999; decimal point selectable
- Max. Hold / Data Hold / Reset / 2~4 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)
- High stability, non-flammable case (PC), high safety
- CE approval

SPECIFICATION

- ◆ Accuracy: $\pm 0.05\%$ F.S.
- ◆ Display Screen: High brightness red LED; 20.3mm(0.8")
- ◆ Sampling Cycle: 16 cycles / sec (AVG=1)
- ◆ Display Range: -19999~99999
- ◆ Zero Adjustment: -19999~99999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "-" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: " \geq (Hi) on" or "< (Lo) on"
- ◆ Alarm Hysteresis Range: 0~9999
- ◆ Alarm Run Delay Time: 0~99 sec
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ Analog Output Resolution: 15 bit
- ◆ Output Response Time: <250 msec (0~90%)
- ◆ Output Capability: Voltage Output: <20mA
Current Output: <10V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 38400 / 19200 / 9600 / 4800 bps
- ◆ Parity Check: n.8.2. / n.8.1. / odd / even
- ◆ Temperature Coefficient: 100ppm / $^{\circ}\text{C}$ (0~60 $^{\circ}\text{C}$)
- ◆ Operating Temperature: 0~60 $^{\circ}\text{C}$
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}\text{C}$
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 22~60V
- ◆ Power Consumption: 8.5VA (all functions output)
- ◆ Surge Test: 2KVac / 1min (Input / Power)
- ◆ Input Impedence: Voltage: >2V for 20K Ω / V; $\leq 2\text{V}$ for >200M Ω
Current: $\geq 0.2\text{A}$ at 100mV; <0.2A at 1V
- ◆ Dimensions: 96(W)*48(H)*110(D) mm
- ◆ Weight: About 500 g

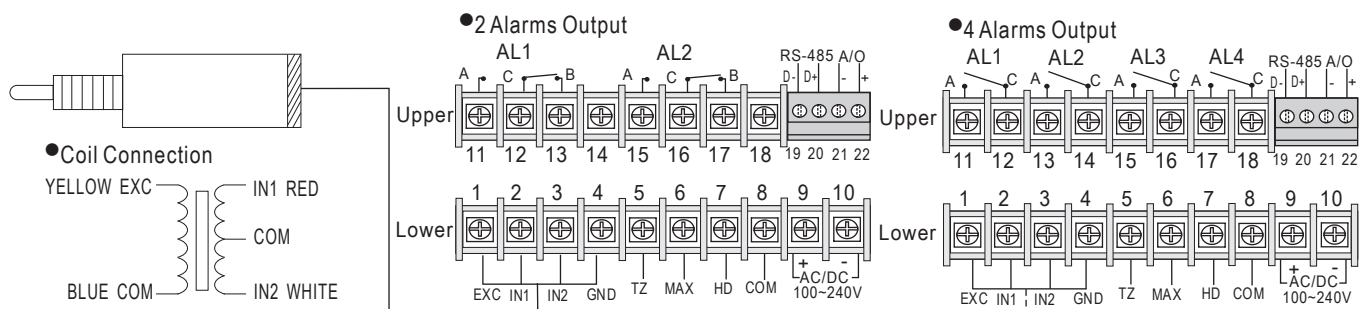
ORDER INFORMATION

LVDT-M- [Code 1] [Code 2] - [Code 3] -
[Code 4] [Code 5] [Code 6]

Code1	Distance	Code2	Aux. Power	Code3	Alarm Output
A	2.5 mm	A	AC/DC100~240V	N	None
B	6.5 mm	B	DC 12V	R2	2 Relays
C	15 mm	C	DC 24V	R3	3 Relays
D	50 mm	D	DC 30~90V	R4	4 Relays
				O2	2 Open Collect
				O3	3 Open Collect
				O4	4 Open Collect

Code 4	Analog Output	Code 5	RS-485	Code 6	Sensor Type
N	None	N	None	N	None
A	4~20mA	Y	Yes	A	BLV-GM-2.5
V	0~10V			B	BLV-GM-6.5
O	Option			C	BLV-GM-15
				D	BLV-GM-50

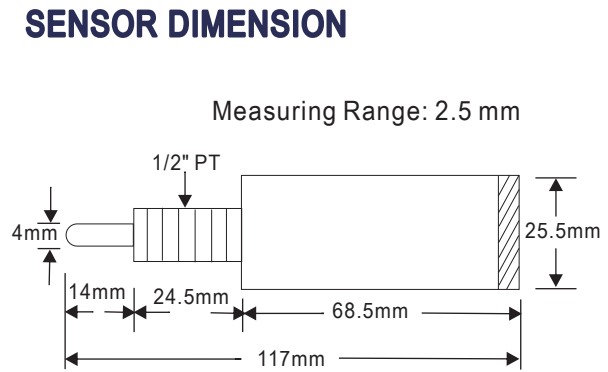
WIRING CONNECTION



SENSOR SPECIFICATION

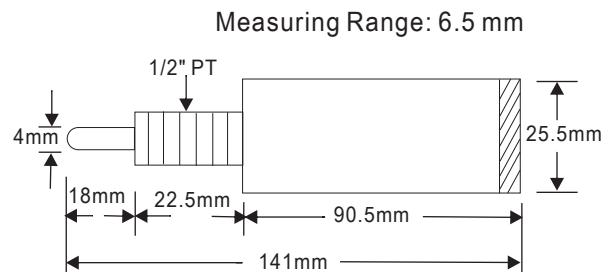
● Model: BLV-GM-2.5

◆ Linear Range:	± 0.050 in.
◆ Linearity:	$\pm 0.3\%$ F.S.
◆ Optimum Frequency:	200~3000Hz
◆ Output:	1.69~2.07V
◆ Primary Impedance:	306~374 Ω
◆ Secondary Impedance:	4250~5750 Ω
◆ Primary DCR:	54.9~73.7 Ω
◆ Secondary DCR:	2185~2955 Ω
◆ Phase Shift:	0~10 degrees
◆ Null	$\pm 0.6\%$ F.S.



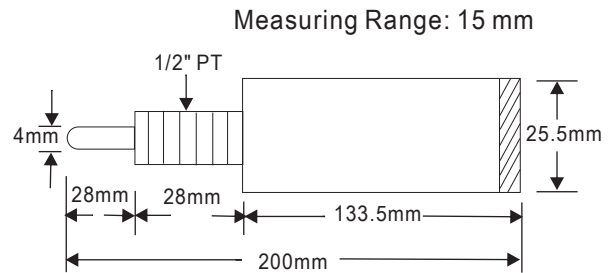
● Model: BLV-GM-6.5

◆ Linear Range:	± 0.125 in.
◆ Linearity:	$\pm 0.25\%$ F.S.
◆ Optimum Frequency:	50~1100Hz
◆ Output:	1.79~2.19V
◆ Primary Impedance:	247~303 Ω
◆ Secondary Impedance:	977~1323 Ω
◆ Primary DCR:	48.0~65.0 Ω
◆ Secondary DCR:	501~679 Ω
◆ Phase Shift:	1~11 degrees
◆ Null	$\pm 0.3\%$ F.S.



● Model: BLV-GM-15

◆ Linear Range:	± 0.300 in.
◆ Linearity:	$\pm 0.25\%$ F.S.
◆ Optimum Frequency:	50~350Hz
◆ Output:	2.99~3.65V
◆ Primary Impedance:	288~352 Ω
◆ Secondary Impedance:	1466~1984 Ω
◆ Primary DCR:	63.3~85.7 Ω
◆ Secondary DCR:	841~1139 Ω
◆ Phase Shift:	-0.5~+9.5 degrees
◆ Null	$\pm 0.4\%$ F.S.



● Model: BLV-GM-50

◆ Linear Range:	± 1.000 in.
◆ Linearity:	$\pm 0.35\%$ F.S.
◆ Optimum Frequency:	500~4000Hz
◆ Output:	4.27~5.43V
◆ Primary Impedance:	6010~7350 Ω
◆ Secondary Impedance:	407~551 Ω
◆ Primary DCR:	910~1232 Ω
◆ Secondary DCR:	384~520 Ω
◆ Phase Shift:	-3~+7 degrees
◆ Null	$\pm 0.5\%$ F.S.

