

Bridging Gaps in Technology

Gaman Pulse Probe

Linear Displacemnt Probe - Pulse

USER'S MANUAL



Read the user's manual carefully before starting to use the unit or software. Producer reserves the right to implement changes without prior notice.

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Linear Displacement Probe - Pulse

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Linear Displacement Probe - Pulse

1. Safety / Proper Usage

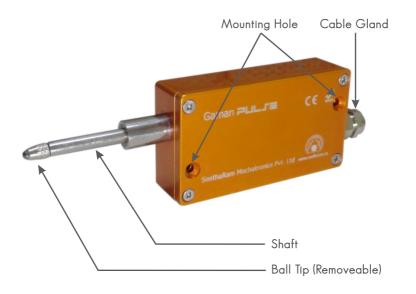
- Ensure that the probe is not subjected to over-travel, or side loading at the tip
- When mounting the Linear Probe avoid force on of the bearing assembly by over-tightening of mounting screws.
- No oiling of the shaft is necessary.
- Contacts with solvents should be avoided.
- Do not use the unit in areas where there is risk of explosions.
- Do not use the unit in areas with significant temperature variations, exposure to condensation or ice.
- Do not use the unit in areas exposed to direct sunlight.
- In order to minimize fire or electric shock hazard, the unit must be protected against atmospheric precipitation and excessive humidity.
- Do not use the unit in areas threatened with excessive shocks, vibrations, dust, humidity, corrosive gasses and oils.

Warning

Any attempt to dismantle the Linear Probe will invalidate the warranty. Any modification shall exclude all liability on our part for any damage resulting there from.

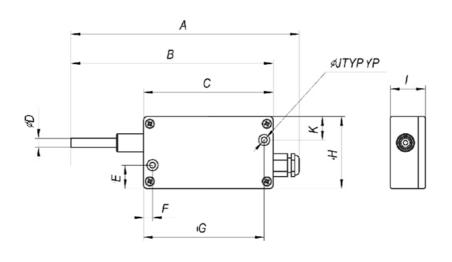
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2. Product Description



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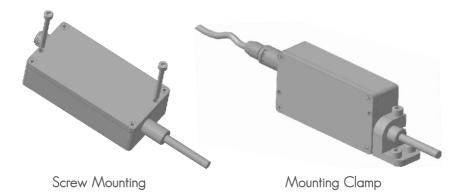
3. Dimensional Details



STROKE	A	В	С	ØD	E	F	G	Н	Ι	ØJ	К
25	126.70	112.30	72.00	5.00	13.00	5.00	67.00	40.00	19.50	3.15	13.00
50	199.00	184.60	119.00	5.00	13.00	5.00	114.00	40.00	19.50	3.15	13.00

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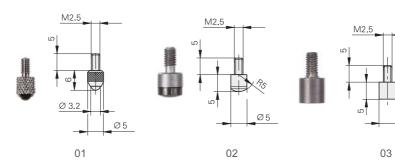
4. Mounting

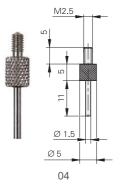


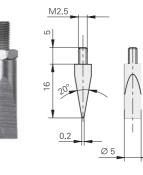
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5. Accessories

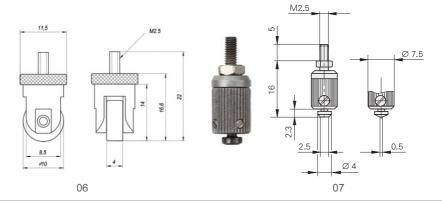






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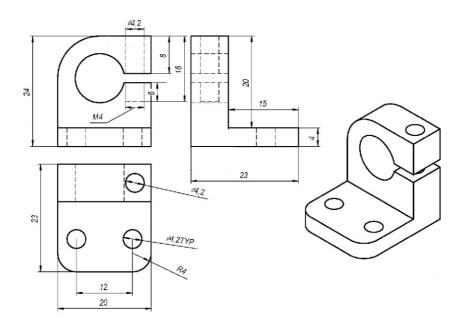


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5. Accessories



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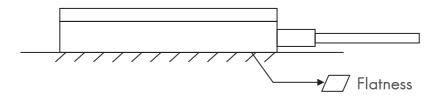
6. Pin Configuration

Free End Cable Wire	TTL Output	MODBUS Output
Brown	Power Supply +ve 5VDC	Power Supply +ve 24VDC
White	Power Supply -ve 0VDC	Power Supply -ve 0VDC
Green	A Signal	RS485 +ve
Yellow	B Signal	RS485 -ve
Grey	Index	GND

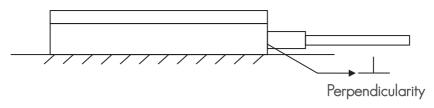
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7. Procedure

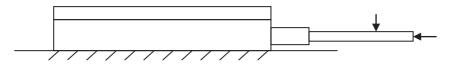
1. Mount the probe on flat surface



2. It is important to ensure that the probe is perpendicular to measuring table to avoid introducing cosine errors.



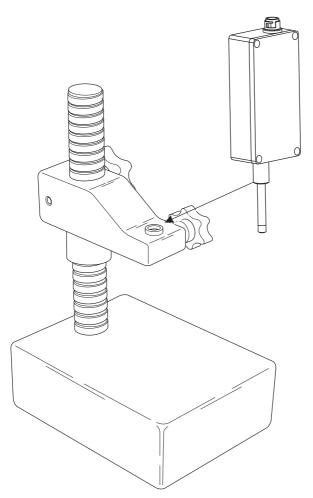
3. Ensure that the probe is not subject to over-travel, or side loading at the tip.



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7. Procedure

4. When mounting the Linear Probe avoid force on of the bearing assembly by over-tightening of mounting screws.



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7. Procedure

Note:

Do not use excessive torque when tightening gauge stand knobs.

- 5. Keep cable away from moving parts to avoid damage.
- 6. Protect against shock loading or impact.
- 7. Replacing the probe tip
- a). Unscrew tip
- b). Install new tip.
- c). Hand tighten tip.

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8. Software Setting

- Connect RS 485 converter to PC.
- Right click my computer manage device manager ports displays connected port

Setting details illustrated below for Modpoll software.

	Edit Connection			_				
3	🎽 🖬 😂 🗙 [5 16	17 22 23 TC 🗵	l ? №		
💬 g	jenerator-1		x	P	generator-2		• ×	
Tx = 3732: Err = 0: ID = 1: F = 03: SR = 1000 Tx = 3337: Err = 0: ID = 2: F = 03: SR = 100								
	Alias	00000			Alias	00000		
0	U-L1L2 [V]	401		0	U-L1L2 [V]	398		
1	U-L2L3 [V]	400		1	U-L2L3 [V]	400		
2	U-L3L1 [V]	402		2	U-L3L1 [V]	399		
3		0		3		0		
4	P [kW]	1232		4	P [kW]	856		
5	S [VA]	1350		5	S [VA]	900		
6	Oil Pressure	5		6	Oil Pressure	5		
7	Temp	88		7	Temp	85		
8	Config	0x000B		8	Config	0x0101		
9		0		9		0		

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8. Software Setting

Connection			×
Port 8	Mode © RTU	C ASCII	ОК
9600 Baud 🔻	Response	Timeout	Cancel
8 Data bits 💌	1000	[ms]	
None Parity 💌	Delay Betv	veen Polls	
1 Stop Bit 💌	1000	[ms]	Advanced
Remote Server-			
IP Address 0.0.0		Port 502	
		,	

- Go to connection select port, select the baud rate.
- Data bits selection
- 8 data bits
- None parity
- 1 stop bit
- Select Mode RTU
- Press OK

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8. Software Setting

- Go to poll definition
- Enter the Slave ID
- Select function read input registers
- Press ok

×
OK]
Cancel
Apply
Read Once

• Connection will be established between modbus and PC.