

### Product overview

The LMR intelligent magnetostrictive liquid level meter is a high-precision liquid level measuring instrument. The instrument works normally with large measuring range, multiple installation modes, quick commissioning and extremely high cost performance.

### Product parameters



- Repeatability: Better than  $\pm 0.002\%FS$ ;
- Output temperature: 50ppm/°C;
- Product power consumption:  $\leq 50mA$ ;
- Output ripple:  $\leq 20mV$ ;
- Dead zone: Soft rod: Upper dead zone: 100mm, lower dead zone: 300mm;
- With load capacity: 4~20mA output: With load capacity  $\leq 500\Omega$ ;
- 0~5V and 0~10V output: \* Small controller load  $\geq 5k\Omega$ ;
- Measuring bar material: 0Cr18Ni9, 1Cr18Ni9Ti or user's specific customization;
- Electronic storehouse enclosure material: 1Cr18Ni9Ti;
- Floating ball material: 0Cr18Ni9, 316 and nitrile rubber;
- Anti-explosion type: ExdIIBT5, ExialIBT5 and ExdIICT5
- Protection grade: IP65
- Measuring range: Hard rod: 150mm~4000mm, soft rod: \* Length: 20000mm;
- Output form: 4~20mA, 0~5V, 0~10V,  $\pm 5V$ ,  $\pm 10V$  and RS-485;
- Linearity error: Better than  $\pm 0.05\%FS$ ; Sensor with measuring range being less than 300mm and error: less than 150 $\mu m$ ;
- Hard rod: Upper dead zone: 51mm, lower dead zone: 36mm, with black line mark; (appropriate change as per use requirements)
- Installation form: Screw installation, connector installation, locating ring installation, hanging installation or user's special customization
- Lead method: Shielded cable connection, default length: 1.5 m (change pursuant to user requirements), aviation plug connection and block terminal connection;

### Product model selection

LMR	Magnetostrictive liquid level meter					
	Classification					
	E Magnetostrictive liquid level meter and no site digital display					
	W Magnetostrictive liquid level meter and site digital display					
	Measurement type					
	V Standard (rigid) rod diameter: 16mm, Maximum: 9000mm					
	S flexible, maximum length: 25.3m					
	Process temperature					
	H0 $\leq 77^{\circ}C$ H1 $\leq 121^{\circ}C$ H2 $\leq 232^{\circ}C$					
	Option					
	R Two liquid levels (liquid level+ position) only AT100					
	W with temperature transmitting output					
	H With HART protocol					
	Explosion proofing					
	D Flame-proof type E Intrinsic safety type					
	Measuring bar length					
	*** (1000 indicates measuring bar length: 1000mm)					
	Measuring range:					
	*** (800 indicates measurement scope: 800mm)					
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