

SHLT02 Diffusive Silicon Level Transmitter

SHLT02 Diffusive Silicon Series level transmitters are the extension and development of pressure transmitter technology. According to the principle that the liquid with different specific gravity are in linear relation to the pressure generating at different height to realize the accurate measurement and transmission of volume, level height and weight of water, oil and paste-state matters. They are widely used in the industries such as power, petroleum, chemical engineering, metallurgy, water utilization, running water and food, etc.



FEATURES

- Throw-in type, straight-pole type, flange type and thread type structure design
- Simple installation, convenient use, strong interchange ability; hi-quality, high sensitivity, fast response rate, can accurately react the subtle change of moving or static level, and high measuring accuracy.
- Possess the ability of intrinsically safe explosion separation and explosion-proof; can be applied to all kinds of hazardous fields.
- Have blocking-proof type design, can realize level measurement of paste-state medium.
- 100% unified scale, LED, LCD the three kinds of indicating gauge head, local reading, convenient.
- 4~20mA DC two-wire signal transmission, strong interference-resistant ability, long transmitting distance.
- fine and unique zero, temperature shift and non-linearity compensation ensure the instrument in the range of using conditions to have a stable accuracy for a long time.

TECHNICAL TARGETS

Model	SHLT02A1	HHTL02B1
Accuracy	0.25% F·S	0.5% F·S
Measuring range	0~1~100 (m)	
Storing temperature	-40C ~80C	
Operation temperature	-20C ~70C	
Effect of temperature	< 0.02%/C	< 0.015%/C
Humidity	<=95% RH	
Local indication	0 ~ 100% uniform scale 3 1/2	LED 3 1/2 LCD
Load ability	<=7500hm	
Gas-conduction cable	Ø8 Teflon	Ø8 polyvinyl-fluoride

material		
Overload ability	Triple span	Double span
Output	Two-wire 4~20mA DC	Four-wire 0~10mA DC

MODEL SELECTION

A	S	Code	Name
Analogue	Smart	SHLT02	Diffusive silicon level transmitter
		Code	Design number
		A1	Diffusive silicon sensor
		B1	Ceramics sensor
		Code	Local indication
		1	No
		2	0-100% uniform scale
		3	3 1/2 bit LCD
		4	3 1/2 bit LED
		Code	Measuring range
		1	0~1m
		2	0~5m
		3	0~10m
		4	0~20m
		5	0~35m
		6	0~70m
		7	0~100m
		Code	Accuracy
		B	0.25% F·S
		C	0.5% F·S
		Code	Installation interface
		1	Throttle type
		2	Blocking-proof type
		Code	Explosion proof
		N	Normal non-explosion proof
		I	Intrinsically safe
		E	Isolation explosion proof
		Code	Structure
		1	Throw-in type
		2	Straight-pole type
		3	Thread type
		4	Flange type