

Water Flow Meter YF-DN50 - Technical Parameters

Range of application		
1	Minimum rated operating voltage.	DC 5V
2	Maximum operating current.	15mA (DC 5V)
3	Operating voltage range.	DC5~18V
4	Load capacity.	≤10mA (DC 5V)
5	Using temperature range.	≤80°C
6	Use humidity scope.	35%~90%RH (Frost free condition)
7	Operating pressure.	> 2.0MPA (Burst Pressure > 3.5MPA)
8	Storage temperature.	-25~+80°C
9	Storage Relative Humidity.	25%~95%RH
10	Output pulse high level.	>DC 4.5 V (input voltage DC 5 V)
11	Output pulse low level.	<DC 0.5 V (input voltage DC 5 V)
12	Accuracy (Flow rate - pulse output).	10-300L/min ±3%
13	Output pulse duty ratio.	50±10%
14	Output Rise Time.	0.04μS
15	Output Fall Time.	0.18μS
16	Flow-pulse characteristic.	Horizontal test pulse frequency (Hz)=[0.2 *Q] ±3%(horizontal test) (Q=L/min)
17	Impact resistance.	The product is well packed and falls freely from the X, Y and Z directions of 50cm height to the concrete surface without any abnormality.
18	Insulation resistance.	Insulation resistance between hall sensor and copper valve body 100MΩ (DC 500V)
19	High Temperature resistance.	In the environment of 80°C for 48hrs, return to room temperature for 1 to 2 hrs without exception, no crack, relaxation and parts, expansion and deformation phenomenon, change within 10%
20	low temperature resistance.	In the environment of -20 °C for 48hrs, no abnormality was found in the return temperature of 1 to 2hrs, and the parts were free from cracks, looseness and deformation, and the accuracy was within 10%
21	Moisture-proof.	In 40°C, relative humidity 90% ~ 95% RH environment output
22	Pull strength.	The pulling force of 10N is applied on the drawing line for 1 minute, no looseness, break and performance change.
23	Durability.	At room temperature, from the inlet to the 0.1 MPa water pressure, to get through 1 Sec, disconnect 0.5 Sec for a cycle, to test 300,000 times without exception.

