

HIGHJOIN

HFM90-K24 Electronic Digital Turbine Flow Meter User Manual



Nanjing Hangjia Electronic Technology Co.,Ltd.

Features

- Light weight and compact size, easy to install and repair.
- High Quality Stainless Steel And Aluminum Alloy,Durable.
- LCD Display:zero adjustment function,cumulative flow reading,convenient operation,reading and Adjustment.

● Technical Parameters

Model Type	Electronic Digital Turbine Flow Meter
Measuring medium	Diesel fuel, gasoline, kerosene, methanol, water
Housing material	Stainless Steel,Aluminium alloy
Turbine material	PPS(max pressure 6bar), Stainless Steel(max pressure 10bar)
Process connection	Thread
Flow unit display	QTS, PTS,L,GAL,m ³
Power Supply	AAA battery

Nominal Diameter	DN25	DN40	DN50	DN65	DN80
Thread Connection	1"	1.5"	2"	2.5"	3"
Min. flow	10L/min	40L/min	60L/min	80L/min	80L/min
Max.flow	100L/min	280L/min	500L/min	1000L/min	1000L/min
Accuracy	±1%	±1%	±1%	±1%	±1%
Max.working pressure	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa	0.6Mpa
Single measurement range	9999	9999	9999	9999	9999
Cumulative measurement range	29999999	29999999	29999999	29999999	29999999
Weight	0.35KG	0.6KG	0.85KG	1.1KG	0.9KG

User Instruction

Reminder: test the accuracy of the product before use



- CALIBRATE key simply called "C" key
- DISPLAY key simply called "D" key

● Accuracy Test

1. Check the coefficient (press down the C key and D key at the same time)

The initial coefficient of 1" metering moment meter is 1000

The initial coefficient of 1.5" metering moment meter is 1850

The initial coefficient of 2" metering moment meter is 4900

If your checked coefficient are not in accordance with the above,

Press down the C key 5 seconds and enter into coefficient setting for adjustment

2. The moment metering meter test the liquid

The coefficient of 1" moment metering meter is 1000

For example: The meter displayed 98 when actually tested 100L liquid

Then you need press down the C key 5s, enter into coefficient setting for adjustment

Adjust the coefficient to 1020

The 1000 coefficient linked with displayed Litre value

Coefficient come to bigger then displayed Litre value come to bigger
Coefficient come to smaller then displayed litre value come to smaller.

Waiting 10s after adjusted well then automatically withdraw. Can test again to make ensure the accuracy ratio.

Remark: the coefficient adjust method of 1.5" and 2" metering moment meter setting please reference to 1" meter's setting method. After the accuracy tested and adjusted well, to prevent long time (example one month) use caused the meter has error, please fix timely check (such as weekly) the accuracy of meter, make ensure the display are correct.

● Reset single time metering

One time press the D key Metering type and moment metering type commonly used

● Check the total accumulate

Metering type press C key, display the total accumulate within 5s, will enter into coefficient setting when exceed 5s One time press the C key when moment metering type under the "Initial interface display", enter into total accumulate display(TOTAL), if need return "Initial interface display" then one time press C key again

● Reset total accumulate

Metering type press D key 5s, display the total accumulate and flashing, one time press D key can reset the total accumulate Moment metering type press D key 5s can reset the total accumulate

● Check the coefficient

Press down C and D key at the same time for metering type, display the coefficient within 5s, will enter into metering unit setting when exceed 5s Press down C and D key at the same time for moment metering type

● Unit setting

The default metering unit when leave the factory is LTR(litre), press down the C and D key at the same time exceed 5s then will enter into unit setting interface.Can shifting among LTR(litre), GAL(gallon), PT(pint) and QT(quart "used oversea") Press down the C key 3s then can save and exit the unit setting, if no any other operation, it will automatically save and exit the unit setting after 8s.

Q&A

Q: How can I make the meter more accurate and maintain accuracy?

A: The method is to conduct an "accuracy test" before using it for the first time, and keep testing once a month.

Switching between different liquids also requires a re-" accuracy test "to avoid excessive errors.

Q: What if the flowmeter does not count and the display does not display?

A: In the case of no count, it may be caused by foreign bodies on the impeller inside the table channel. Remove the foreign bodies, if it is not caused by foreign matter, the computer board needs to be replaced.

The display screen does not show the case may be out of battery, replace the new blind battery can be, if not battery caused, you need to replace the computer board.