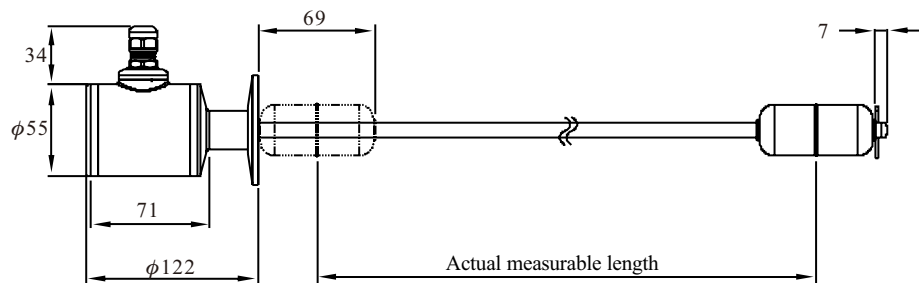


EGS15 Series (EGX40000-A1) Sanitary Type Magnetostrictive Level Transmitter Operation Manual

INSTALLATION

1. Power supply is 12Vdc~30Vdc.
2. Sensor can be directly top mounted if the size of the connection hole is bigger than the diameter of the float. If the connection size is smaller float needs to be dismantled during mounting.
3. In case the diameter of the float is bigger than connection size, firstly dismantle float and mount. While installing back the float needs to be the right direction. Float have a mark showing correct direction to be mounted.
4. Magnetostrictive level transmitter is a sensor with high accuracy, so installation must be done special care. Bending of the probe can result in decreased accuracy or abnormal output.
5. It is not advised to change the float of the sensor. Other floats may lead to abnormal functioning of the sensor.
6. Avoid floats to hit any object or dropped. Mishandling of float may damage the magnet inside which may result in abnormal functioning of sensor.
7. Sensor must not be mishandled, squeezed, bended or deformed. In case of any deformation and abnormal functioning, sensor needs to be sent back to factory for repair & calibration.
8. During transportation, sensor must be covered with anti vibration packaging such as bubble packaging or spongy packaging etc.
9. Housing of the sensor must not be opened to avoid any damage or abnormal functioning.

INSTALLATION METHOD IF THE FLOAT HAS TO BE TAKEN OFF BEFORE INSTALLATION



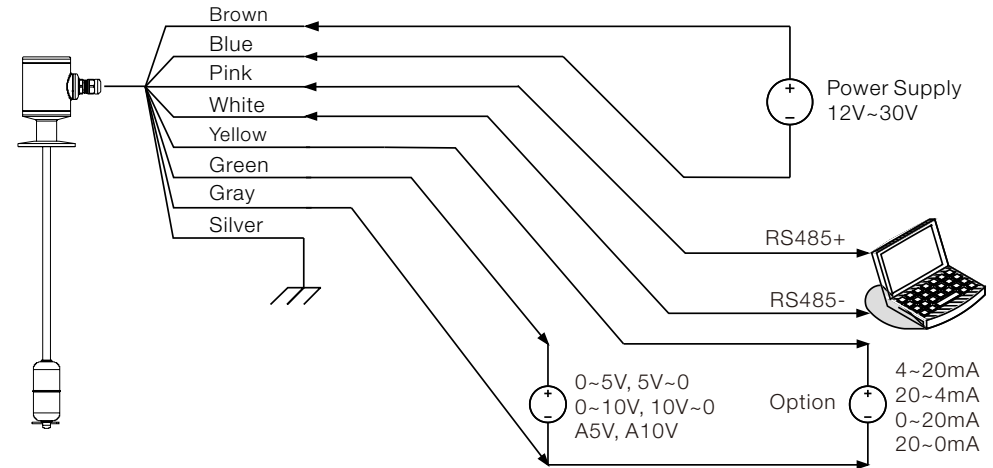
Please refer to the following for stem length and measuring range:

Stem length=measuring range+float length+7mm

Ex: 500mm(measuring range)+70mm(A1 float length)+7mm=577mm(stem length)

* The float size could be changed for different application.

WIRING DESCRIPTION



SPECIFICATION

EGS15 Series		
Voltage Output	Type	0~10V/10~0V/0~5V/5~0V/A10V/A5V
	Loading Current	MAX 5mA
Current Output	Type	4~20mA /20~4mA/0~20mA /20~0mA
	Resistance	<500(Ohm)
Power Supply		12V~30V
Measuring Range		25mm~2500mm
Sampling Rate		500 times/sec.
Non-linearity(um)		25mm~500mm@A100um
		501mm~2500mm@A0.02%F.S
Repeatability		A0.002%F.S
Hysteresis		A0.004%F.S
Communication		RS485
Ambient Temperature		-40~85°C
Operation Temperature		-40~125°C
Temperature Sensor		PT100(Optional)
IP Rating		IP67(Housing)/IP69K(Prode)

MODBUS TABLE

	Name	Address(Hex)	Address(Dec)	Data Types	Quantity	Unit/Code	Definition
1	FineTek ID	0x1000	4096	STRING	1	FINE-TEK	READ
2	Product Type	0x1004	4100	UINT16	1	EG	READ
3	Product Number	0x1005	4101	UINT16	1	0x0005	READ
4	Product Version	0x1006	4102	UINT16	1	0x0001	READ
5	Float 1 distance	0x1007	4103	FLOAT	1	1mm	READ
6	Float 2 distance	0x100a	4106	FLOAT	1	1mm	READ
7	Measurable Range	0x1010	4112	FLOAT	1	1mm	READ
8	Display Percentage 1	0x1026	4134	FLOAT	1	%	READ
9	Display Percentage 2	0x1028	4136	FLOAT	1	%	READ
10	Temp Value	0x102a	4138	FLOAT	1	°C	READ WRITE
11	MODBUS ID	0x102c	4140	UINT16	1	ID=1	READ WRITE
12	MODBUS BAUDRATE	0x102d	4141	UINT16	1	BAUD=9600	READ WRITE
13	Float 1 High Limit	0x1034	4148	FLOAT	1	1mm	READ WRITE
14	Float 1 Low Limit	0x1036	4150	FLOAT	1	1mm	READ WRITE
15	Save System Var to EEPROM	0x1054	4180	UINT16	1	Set up value =1 (save setting)	READ WRITE
16	Save Calibration Setting	0x1057	4183	UINT16	1	Set up value =1 (save setting)	READ WRITE

WARRANTY

New Product Warranty

Our product warranty period is 12 month from the date of dispatch. During this period in case of any malfunction, company don't charge for testing, components and repair.

In case the product is defected or damaged during transportation, customers are advised to report matter with 7 days. Company will bear repair charges or replace defected product.

While sending back defected products for repair, please send back the complete set without any tearing. Send the defected product using appropriate safety packaging in order to avoid transportation damage.

Warranty will not be covered on the following condition:

1. After expiry of warranty period.
2. Not following operation manual or operation conditions such as using product over operation temperature or pressure etc.
3. Product damage due to natural disaster such as flood, fire, earthquake, lightening, typhoon etc.



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08-EGS15-B3-EM, 12/27/2018

