

AFLO

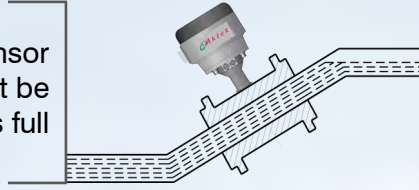
ELECTROMAGNETIC FLOWMETER QUICK START MANUAL



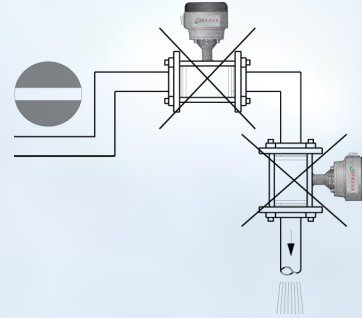
Mounting Conditions



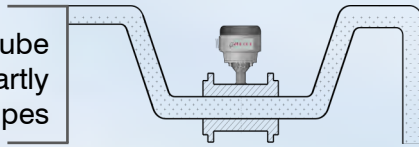
Sensor must be always full



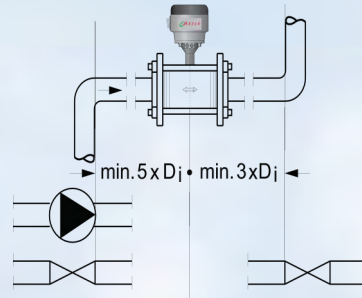
Avoid installation highest points and free fall points



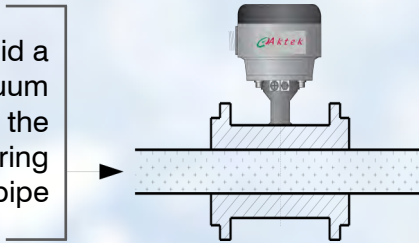
Try U tube in partly filled pipes



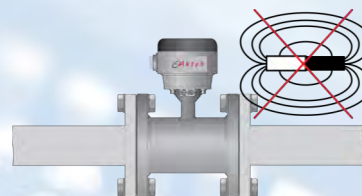
Flow profile has always to be regulated



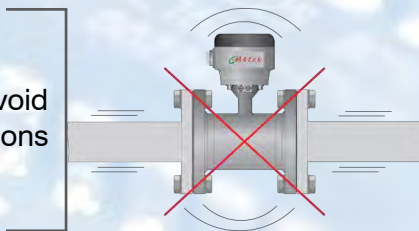
Avoid a vacuum in the Measuring pipe



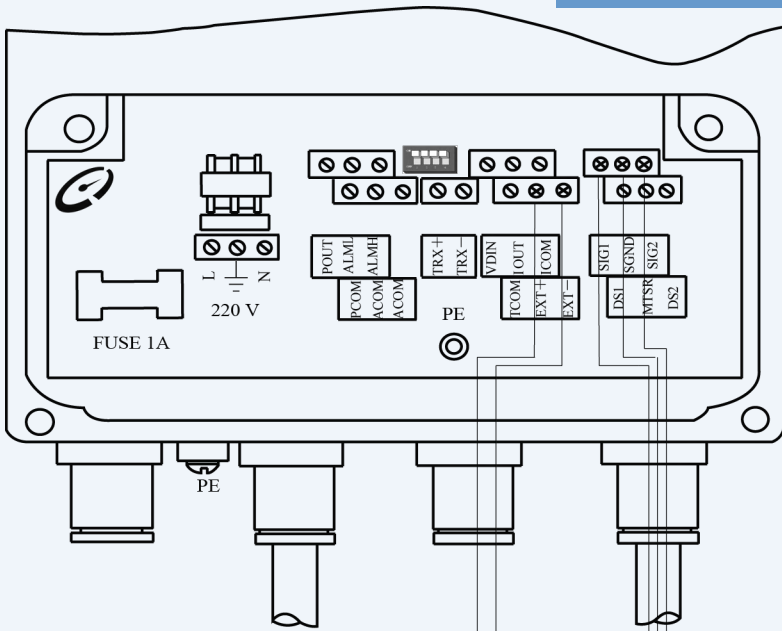
Avoid Electro-magnetic field



Avoid Vibrations

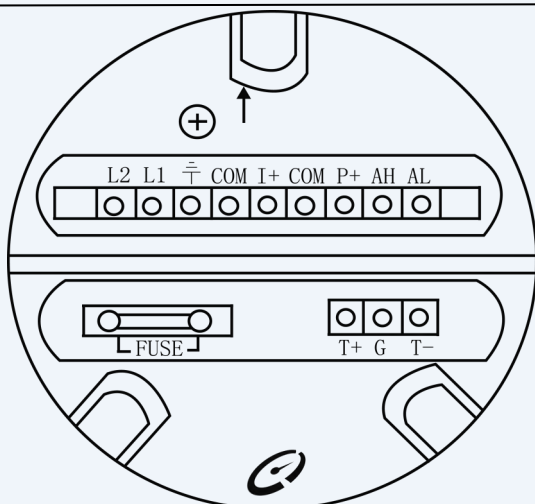
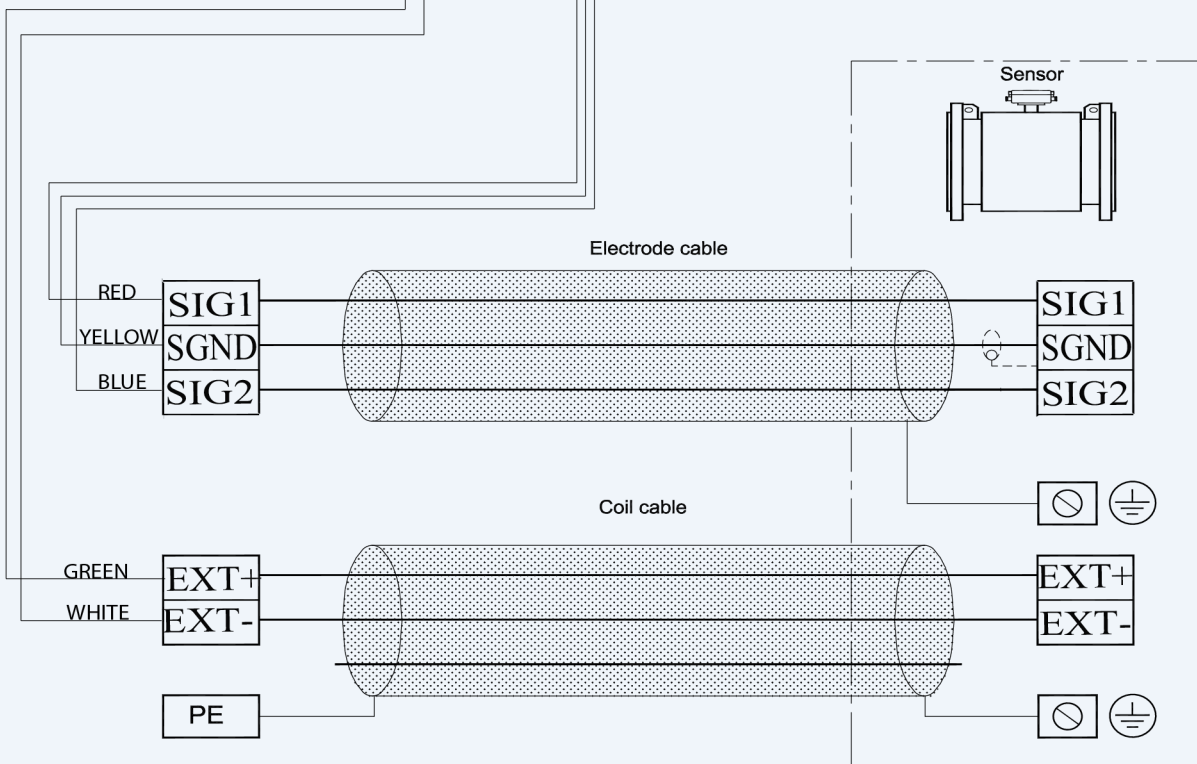


WIRING DIAGRAM



REMOTE

- POWER SUPPLY (L, N, \perp)
- CURRENT OUTPUT (IOUT, ICOM)
- PULSE OUTPUT (POUT, PCOM)
- ALARM OUTPUT (AL/AH, ACOM)
- RS485 CONN. (TRX+, TRX-)



COMPACT

- POWER SUPPLY (L1, L2, \perp)
- CURRENT OUTPUT (I+, COM)
- PULSE OUTPUT (P+, COM)
- ALARM OUTPUT (AL/AH, COM)
- RS485 CONN. (T+, T-)

Technical Specifications

TRANSMITTER

Fluid conductivity	≥ 5 μS / cm
Accuracy	±0.5% or ±0.3%
Keypad	4 control buttons
Ambient Temp.	-20...+60 °C
Output	0-10 mA, 4-20 mA, Frequency, Pulse and Alarm
Communication	RS485 MODBUS (Std.), HART, PROFIBUS (Opt.)
Display	3 Lines LCD
Power Supply	220 VAC, 24 VDC or Battery
Protection	IP65 / IP67
Totalizer	Forward, reverse and net totalizer

SENSOR

Nominal Size	DN10...DN3000
Nominal Pressure	PN6,10,16,25,40
Liner	Neoprene, PTFE, FEP, Hard Rubber, Polyurethane
Electrodes	AISI 316L St. St., Hastelloy, Titanium, Tantalum, Platinum-Iridium
Op. Temp.	-20...+80 °C (hard rubber) -20...+120 °C (with Teflon & Remote type)
Measuring Tube	Stainless steel (SS)
Body Material	Carbon Steel (CS)
Protection	IP 67 / IP 68 (remote ver.)

MENU

KEYPAD

TRANSMITTER TYPE	FUNCTION	UP	DOWN	ENTER
COMPACT				
REMOTE				

OPERATING

Function and Enter

Press both of them to enter menu system

Function and UP

Press both of them to move cursor to the right

Function and DOWN

Press both of them to move cursor to the left

Press ENTER

Pressing 5 sec. will switch to measurement mode

MAIN MENU

MENU	SECTION	FUNCTION
1	Parameters Set	Enter Password, adjust parameters settings
2	Clr Total Rec	Reset Totalizer
3	Fact Modif Rec	Service menu

PASS.

MAIN MENU

To enter Parameters Set use

"03210"

RESET TOTALIZER

To enter Clr Total Rec adjust the password (Menu: Clr Sum Key)

IMPORTANT PARAMETERS

MENU	SECTION	FUNCTION
1	Language	Select interface language English or Turkish
5	Flow Unit	Select suitable Engineering Unit
6	Flow Range	Enter the Maximum flowrate value (20 mA)
12	Total Unit	Choose the Totalizer unit as m ³ or L
13	SegmaN Ena	Enable or Disable Current and Pulse outputs
14	Analog Type	Choose Analog Output Type
15	Pulse Type	Choose Pulse or Frequency output
16	Pulse Fact	Choose corresponding value for each Pulse