



ALIA Inc

- Flowmeters
- Pressure Transmitters
- Temperature Transmitter
- Humidity Transmitter
- Communicator
- Calibrator



Electromagnetic Flowmeter



AMF301 Series is a threaded type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 4 to 25 mm. The AMF301 is widely used for tap-water, waste water, food & beverage, pulp & paper and many other industrial fluid. AMF301 Series electromagnetic flowmeter could be used in compact or separate model with AMC Series converter of electromagnetic flowmeter.



AMF900 Series is a flange type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 10A to 2000mm. AMF900 is widely used for tap-water, waste water, food & beverage pulp & paper and many other industrial fluid. AMF900 Series electromagnetic flowmeter could be used in compact or separate model with AMC Series converter of electromagnetic flowmeter.



AMF500 Series is a wafer type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 25 to 200 mm. AMF500 is widely used for tap-water, waste water, food & beverage, pulp & paper and many other industrial fluid. AMF500 Series electromagnetic flowmeter could be used in compact or separate model with AMC Series converter of electromagnetic flowmeter.



AMF601 Series is a sanitary type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 25mm to 100 mm. The AMF601 is widely used for drink water, milk, food & beverage juice and many other industrial fluid. AMF601 Series electromagnetic flowmeter could be used in compact or separate model with AMC Series converter of electromagnetic flowmeter.



AMF100 Series is an insertion type electromagnetic flowmeter ideal for conductive liquids. It comes in sizes from 150 to 6000 mm. AMF100 is widely used for tap-water, waste water, food & beverage, Pulp & Paper and many other industrial fluid. AMF100 Series electromagnetic flowmeter could be used in compact or separate type with AMC Series converter of electromagnetic flowmeter.

Electromagnetic Flowmeter (Converter)



The Aliamag AMC2100 series converter is a microprocessor based intelligent transmitter that can be paired with any of the Alia AMF series sensors. The unit features multiple display parameters including flow rate, flow total, diagnostics, programming and troubleshooting.



The Aliamag AMC2100E series converter is a microprocessor based intelligent transmitter that can be paired with any of the Alia AMF series sensors. The unit features multiple display parameters including flow rate, flow total, diagnostics, programming and troubleshooting. **AMC2100E series converter with temperature / energy.**



The Aliamag AMC3100 series converter is a microprocessor based intelligent transmitter that can be paired with any of the Alia AMF series sensors. The unit features multiple display parameters including flow rate, flow total, diagnostics, programming and troubleshooting.



The Aliamag AMC3200 series converter is a microprocessor based intelligent transmitter that can be paired with any of the Alia AMF series sensors. The unit features multiple display parameters including flow rate, flow total, diagnostics, programming and troubleshooting. **It's equipped with bluetooth, HART and Modbus communication functions.**



The Aliamag AMC4000 series converter is a microprocessor based intelligent transmitter that can be paired with any of the Alia AMF series sensors. The unit features multiple display parameters including flow rate, flow total, diagnostics, programming and troubleshooting.

Ultrasonic Flowmeter



AUF200 Series measure flow or energy of water running in heating/cooling pipe by temperature sensor based on ultrasonic flowmeter. It's simple, easy to install and battery powered, no need of external power. It can display flow rate, total flow, total heat, total cool, heat power and supply/return temperature etc..



AUF750 series is a fixed mounted, transit-time ultrasonic flowmeter. It features clamp-on style transducers for non-invasive measurement of clean homogeneous liquid processes. This user friendly microprocessor based, field programmable flowmeter ensures that the flow of existing processes can be performed without interrupting the flow and has very low installation costs.



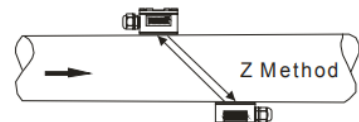
AUF760 series is a fixed mounted, transit-time ultrasonic flowmeter. It features factory mounted transducers that allow it to be flow lab calibrated reducing or eliminating the random or bias error that can be present in clamp-on style transducer mounting. The meter ensures an accurate, non-invasive measurement of clean homogeneous liquids process.



AUF600 series is a portable transit-time ultrasonic flowmeter with clamp-on transducers for non-invasive liquid measurement of clean homogeneous fluids. Based on microprocessor and programmable flow measurement techniques the process flow can be accurately measured without interrupting the flow and with low installation costs. Transducers suitable for pipe sizes from 15 to 6000 mm



AUF610 series is a portable transit-time ultrasonic flowmeter with clamp-on transducers for non-invasive liquid measurement. Based on microprocessor and programmable flow measurement techniques the process flow can be accurately measured without interrupting the flow and with low installation costs. Transducers suitable for pipe sizes from 15 to 6000 mm , **high temperature transducers are available (Max. temperature 160°C)**





Variable Area Flowmeter

The **Alia AVF250 flowmeter** is commonly used in location that required on-site analog flow indication. The meter accurately measures small volumes / wide ranges of liquids, gases and steam. Size available from 15,20,25,40,50,65,80,100,125,150,200 mm with options Modbus , HART communication



Vortex Flowmeter

AVF7000 is a Vortex Flowmeter based on Von Karman theory of vortices generated by a bluff body in the pipe. The number of vortices are linearly proportional to the volumetric flow in the pipe. The AVF7000 is versatile flowmeter widely used for Gases, Steam & Liquid applications. There are no moving parts and comes with either flange or wafer connection. Standard configuration has local indication for flow rate and total flow as well as 4-20mA with HART signal and pulse output functions. The microprocessor design can filter out erroneous signals as well as interference caused by pipe vibration.



Coriolis Mass Flowmeter

ACF6000 Series uses the Coriolis effect as a technique for liquid mass flow measurement. The ACF6000 can measure most of the liquids; the infrared light sensor makes it easy for you to set parameters & change the display data. The Double-C tube & Double-D Tube make it possible for the meter to be used in most liquid applications. Sensor C tube (10-40mm) / U tube (50-150mm)



Positive Displacement Flowmeter

APF810 series is designed in OVAL GEAR technology with digit display for Totalizer & flow rate handles viscosities up to 20,000 CP and providing scale pulse and analog output. APF810 series OVAL GEAR flowmeters are both high accuracy and easily adapt-able to most industrial applications. Size available 10 - 200 mm (3/8" - 8")

Smart Pressure Transmitter



APT8000 series is a digital pressure transmitter designed for industrial pressure measurement applications. The APT8000 offer configurations for gauge pressure, absolute pressure and vacuum including integrated solutions for industrial applications.



ADP9000 series is a digital differential pressure transmitter designed for industrial pressure measurement applications. The ADP9000 can be configured to provide integrated solutions for a broad range of pressure and flow measurement application



ADP9000L series is a digital differential pressure transmitter designed for industrial level measurement applications. The ADP9000L can be configured to provide integrated solutions for a broad range of pressure and flow measurement applications.



D series is a diaphragm seal product combining APT8000 , ADP9000 , ADP9000L transmitter, which designed for the high-viscosity, granular, high-temp., high-corrosivity situation. D series diaphragm seal assembles Alia pressure/DP transmitter to form direct-mount , capillary-connections style.

AHV400 series manifolds feature a horizontal body design. Manifolds are constructed out of bar-stock and forged material in 316 Stainless Steel as Standard. Standard models are available in 2-, 3-, 5-way configurations together with a full range of connection types; custom designs are available on demand. Each manifold undergoes hydraulic pressure, pneumatic pressure, vacuum, vibration and thermal stability testing to ensure product integrity.





Smart Temperature Transmitter

ATT1000 two-wire input temperature transmitter is a high performance device that receives Thermocouple/RTD/ohm/mV input and output mA with HART communication protocol. Three internal keys to set parameter. Zero span calibration can be achieved either by HART or keypad. Explosion proof and weather proof housing



Humidity Transmitter

ARH950 Series Wall/Duct mount Humidity & Temperature Transmitters is the most versatile transmitter in the market. ARH950 combines high accuracy, stability and reliable operation, making these products the ideal choice for demanding applications. There are 4 wire, 4-20mA x 2 for both Humidity & Temperature output



Multi-Function Calibrator

ACA60 is mainly designed for the calibration and maintenance of on-site industrial thermodynamic(al) instrument and their system. Its complete and practical functions are easily accessible. With latest extensive digital-converted integrative circuit and large-screen display, it is supplied with functions of output, measurement, ITS-90 query and 24VDC power supply, making it convenient for you to check and calibrate sensor, transmitter, displayed instruments, and control system on spot.



HART Communicator

AHT530 is a battery-powered, hand-held unit designed to configure, calibrate and troubleshoot to smart transmitter either remotely or nearby. AHT530 allows you to establish communication with a Hart field instrument over the existing 4-20 mA DC lines, covering the five process variables of flow, pressure, temperature and level, control valve etc.

General List

	MAGMETER	VORTEX	ROTAMETER	OVAL GEAR	ULTRASONIC	CORIOLIS	TARGET	D/P
								
Model	AMF+AMC	AVF7000	AVF250	APF810	AUF750 /AUF610	ACF6000	ATF80	ADP9000
Application	LIQUID	G/S/L	L/G/S	LIQUID	LIQUID	LIQUID	G/S/L	G/S/L
Size	1/4"~80"	3/8"~20"	1/2"~8"	1/2"~8"	1/2"~240"	1/2"~8"	1/2"~80"	1" ~80"
Material	PTFE...	S.S.316...	PTFE...	S.S.316...	More	S.S.316	Has. C...	S.S.316...
Viscosity	NOT LIMITED	<10cP	<300cP	2cP~20000cP	<100cP	<100cP	<50cP	<10CP
Main Display	TOT/FLOWRATE	TOTALIZER	FLOWRATE	TOTALIZER	FLOWRATE	TOT/FLOWRATE	FLOW RATE	FLOW RATE
Output	mA/PULSE	mA/PULSE	mA/PULSE	PULSE/mA	mA/PULSE	PULSE/mA	mA/PULSE	mA
Accuracy	0.2%~0.5% R	0.7%~1% R	1%~1.6% F.S.	0.2%~0.5% R	1%~2% R	0.1%~0.2% R	1% R	2% R
Temperature	180 DegC	420 Deg C	400 Deg C	250 Deg C	160 Deg C	250 Deg C	450 Deg C	400 Deg C
Power Supply	AC/DC	DC (2 Wire)	DC/BATTERY	24VDC (2 Wire)	AC/DC	AC/DC	24VDC (2 Wire)	24VDC (2 Wire)
	BATTERY	BATTERY	Mechanical	Mechanical	BATTERY			
Flow Direction	V/H	V/H	Vertical up	Horizontal	V/H	Horizontal	Horizontal	V/H
Limits	Must >5us/cm	must >3~5m/sec	Vertical up	Low Viscosity	Accuracy	Price High	Price High	Installation
Pressure	350 Kg/cm2	78 Kg/cm2	40Kg/cm2	63Kg/cm2	More	63 Kg/cm2	40 Kg/cm2	40 Kg/cm2
Connection	Flange/Wafer/BSP	Flange/Wafer	Flange/Thread	Flange	Clamp-on	Flange	Flange	Flange
	Insertion/Tri-Clamp		Tri-Clamp				Insertion	Insertion
Turn Down Ratio	20:1	20:1	10:1	10:1	10:1	20:1	10:1	10:1