

GENERAL

ALIASONIC AUF610series is a portable transit-time ultrasonic flowmeter with clamp-on transducers for non-invasive liquid measurement. Based on microprocessor,field programmable flow measurement technique allows no interruption to the process flow and has low installation costs.

FEATURES

- ❑ 4 line LCD to display flowrate,totalizer signal condition..Etc
- ❑ The flowmeter is designed in high accuracy $\pm 1.0\%$
- ❑ Small sized(210 * 90* 30mm) light-weight(500g)
- ❑ Wide range, Velocities(0.01 ~ ± 32 m/s)
- ❑ Ni-MH Battery support at least 10 hours continuous operation
- ❑ Maximum temperature 160 °C
- ❑ Transducers for pipes size from 15 to 6000 mm($1/2"$ ~ 240")
- ❑ Transducers contains magnet devise, which can installed on metal pipe without mounting belt
- ❑ Data logger which records flowrate,date,total flow ,signal condition..Etc
- ❑ Response time less than 1 second



SPECIFICATION

● Measuring Principle	: Transit time difference	● Keypad	: 18 Key with tactile action
● Pipe Size	: S Type : 15 mm ~ 100 mm ($1/2"$ ~ 4") : M Type : 50 mm ~ 1000 mm (2" ~ 40") : L Type : 300 mm ~ 6000 mm (12" ~ 240") : HS Type : 15 mm ~ 100 mm ($1/2"$ ~ 4") : HM Type : 50 mm ~ 1000 mm (2" ~ 40")	● Response Time	: Less than 1 second
● Pipe Material	: Cast Iron, Stainless Steel, Ductile Iron Copper, PVC, Aluminum, Asbestos Fiberglass... Etc	● Flow Velocity	: 0.01 ~ ± 32 m/s
● Liner Material	: Tar Epoxy, Rubber, Mortar, Polypropylene, Polystyrol, Polystyrene, Polyester, Ebonite, Polyethylene, Teflon... Etc	● Resolution	: 0.0001 m/s
● Display	: 4 Line LCD with illumination Flowrate : 5 digit with decimal point Totalizer : 8 digit, Forward, Reverse & Net values Engineer Unit : M3, Liter, US Gallon, Imperial Gallon, Million Gallon, Cubic Feet, US Barrels, Imperial Barrels, Oil Barrel Time Unit : Second, Minute, Hour, Day Other : Velocity, Date, Time, Signal condition	● Ambient Temperature	: -40 ~ +60 °C
● Accuracy	: $\pm 1\%$ ~ $\pm 2\%$ value of reading(0.5 ~ 30 m/s) : $\pm 0.5\%$ value of reading (online calibration)	● Ambient Humidity	: 90% RH or Less
● Repeatability	: $\pm 0.2\%$ value of reading	● Built-in Battery	: Ni-MH Battery
		● Operation Time	: > 10 Hours
		● Charger	: 90 ~ 260Vac 50/60 Hz, 8-12 Hr charging
		● Data Storage	: Operation parameters and totalization Data are stored by EEPROM for more than 10 years
		● Data Logger	: 64 data include flowrate, totalizer, time, date
		● Output	: Pulse (Open collector)
		● Alarm	: High/Low with buzzer
		● Power consumption	: Less than 2W
		● Dimension	: 210 * 90 * 30 mm
		● Weight	: 0.5 Kg
		● Enclosure	
		Converter	: IP65
		Sensor	: IP68(Submersible)

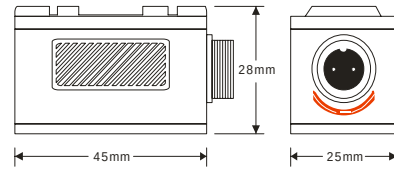
SENSOR SPECIFICATION

- Fluid Temperature : -40 ~ +110 °C

- S Type

Pipe Size : 15 mm~ 100 mm(1/2" ~ 4")

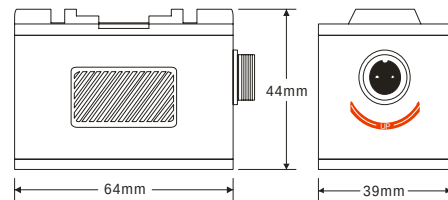
Dimensions : 45 * 25 * 28mm



- M Type

Pipe Size : 50 mm~ 1000 mm(2" ~ 40")

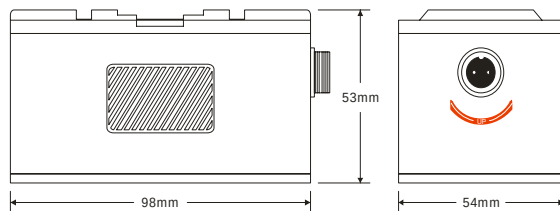
Dimensions : 64 * 39 * 44 mm



- L Type

Pipe Size : 300 mm~ 6000 mm(12" ~ 240")

Dimensions : 98 * 54 * 53 mm

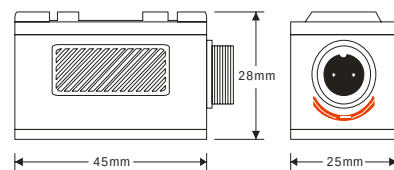


- Fluid Temperature : -40 ~ +160 °C

- HS Type

Pipe Size : 15 mm~ 100 mm(1/2" ~ 4")

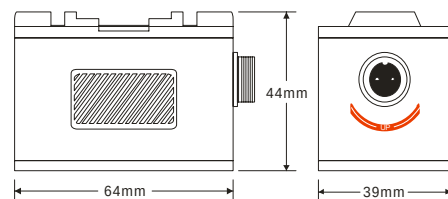
Dimensions : 45 * 25 * 28mm



- HM Type

Pipe Size : 50 mm~ 1000 mm(2" ~ 40")

Dimensions : 64 * 39 * 44 mm



COMBINATION FOR ULTRASONIC FLOWMETER



OTHER ACCESSORY



Pulse output cable



Measuring Tape



Mounting belt



Reinforced plastic Carrying Case
Dimension: 460*360*140mm

MODEL SELECTION GUIDE

AUF610 Series					
Example 1: AUF610-M-B1-05			Example 2: AUF610-S, HM--B1-05, 10		
AUF610-	XX	-XX	-X	Description	
Basic Selection	AUF610-			Basic Model, Include * AUF610 Converter * 1 set * Power Adaptor (90-265 Vac, 50/60Hz) * 1 set * RS232 communication cable * 1 set *Silicone grease * 1 Jug *Reinforced plastic Carrying Case	
Detector		S		Small Sensor, 15~100mm($\frac{1}{2}$ "~4"), -40 ~ +110 °C	
		M		Middle Sensor, 50~1000mm(2"~40"), -40 ~ +110 °C	
		L		Large Sensor, 300~6000mm(12"~240"), -40 ~ +110 °C	
		HS		High-temperature Small Sensor, 15~100mm($\frac{1}{2}$ "~4"), -40 ~ +160 °C	
		HM		High-temperature Middle Sensor, 50~1000mm(2"~40"), -40 ~ +160 °C	
Mounting belt		- B1		3M, 1 Pair	
		- B2		6M, 1 Pair	
Cable Length			- 5	5M, 2 Cables	
			- 10	10M, 2 Cables	