

FIXED TYPE ULTRASONIC FLOW METER

Wall mounted fixed type ultrasonic flow meter

AP-2000 series meters are applicable to measure liquid flow in industry application. mainframe include wall-mounted standard type, wall mounted ex-proof type, panel type and native place displaying(F4). sensors include clamp on type, insertion type, inline type.



AP-2000



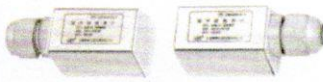
AP-2000EX

Technology features:

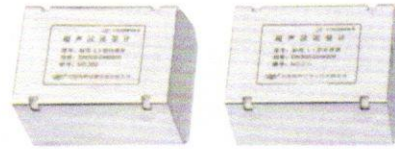
- 1: operating power : AC 85—264V or isolation DC 8-36VDC
- 2: repeatability : better than 0.2%. accuracy: better than 1%
- 3: signal output : one channel standard isolation RS485 output
One channel isolation 4-20mA or 0-20mA active output.
One channel OCT output (programmed between the pulse width(6-1000ms), default before leaving factory (200ms))
One channel isolation relay output, with positive, negative, net accumulation pulses and different alarm signals.
- 4: signal input: two channel three wire system PT100 platinum resistor input loop, to make heat meter has the function of displaying heat quantity.
Three channel 4-20mA input optional, accuracy: 0.1%, has the ability to input the signals of pressure, liquid level, temperature and so on.
- 5: display: 2*20 backlit LCD (Chinese and English optional)
- 6: operating: 4*4 tactile keypad or magnetic 4 keypads operating (F4 mainframe)
- 7: other functions: automatic memory the positive, negative, net totaliser flow rate and heat quantity of the last 512 days, 128 months, 10 years
- 8: protection level: mainframe: IP65, IP68 (F4 mainframe), transducer: IP:68
- 9: ex-proof: EXd n BT4 (TDS-100F2 type)
- 10: transducer: clamp-on type, insertion type, in-line type.

Optional accessory:

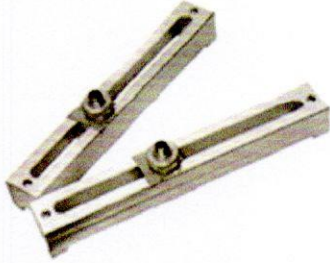
- 1: clamp-on transducer (standard S1 style, standard M1 style, high temperature S1H, high temperature M1H)
- 2: insertion transducer (standard insertion B, cement insertion B)
- 3: in-line type transducer (hygienic style, Π style, standard style)
- 4: PT100 3 wire system platinum resistor (one pair, used for heat meter)
- 5: SEYV75-2 style special shielded twisted pair cable
- 6: strap (applied with installation of transducers on cast iron, GRP, PVC, etc. that can not be welded directly).



S1 sensors



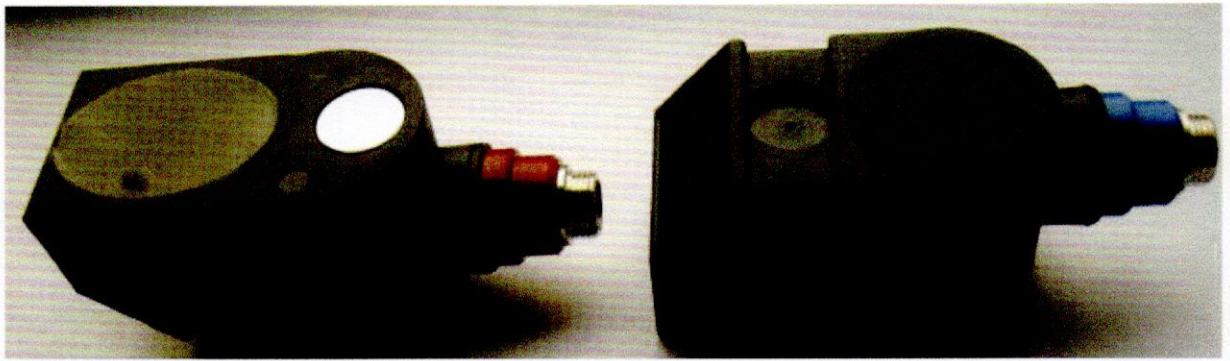
L1 sensors



HM sensors



HS sensors



M2 SENSORS OR M2H SENSORS

transducer	HS type	HM type	Standard S1 type	Standard M2 type	Standard L1 type	High temperature S1H type	High temperature M2H type
material	Aluminium alloy		ABS			Special high temperature material	
Work frequency	1MHz						
Suitable pipe diameter (mm)	DN15-100	DN50-700	DN15-DN100	DN50-DN700	DN300-DN600	DN15-DN100	DN50-DN700
Fluid temperature	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 70°C	0°C ~ 160°C	0°C ~ 160°C
Outer size	200×25	280×40×40	45×30×30m	60×45×45	80×70×55	90×85×24	90×82×29
quality	250g	1080g	75g	250g	650g	94g	150g