

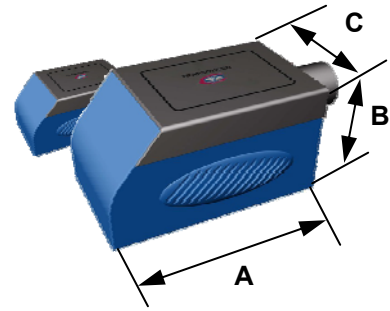
➤ TRANSDUCER SPECIFICATION

● **Standard-Transducers**

Fluid Temperature : -30 ~ +90 °C

Accuracy: 1%

Model	SCS (Small Size)	SCM (Medium Size)	SCL- (Large Size)
Pipe Size	DN15-100mm	DN50-1000mm	DN300-6000mm
A*B*C	45mm*23mm*25mm	64mm*32mm*35mm	98mm*45mm*49mm

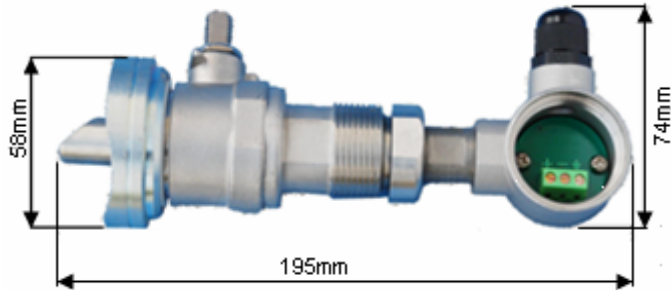


● **Insertion Transducers**

Fluid Temperature : -40 ~ +160 °C

Accuracy: 1%

Model	SIS (Standard)	SIL (Large Size)
Pipe Size	DN80-1000mm	DN300-6000mm



● **High Temperature Transducers**

Fluid Temperature : -30~160 °C

Accuracy: 1%

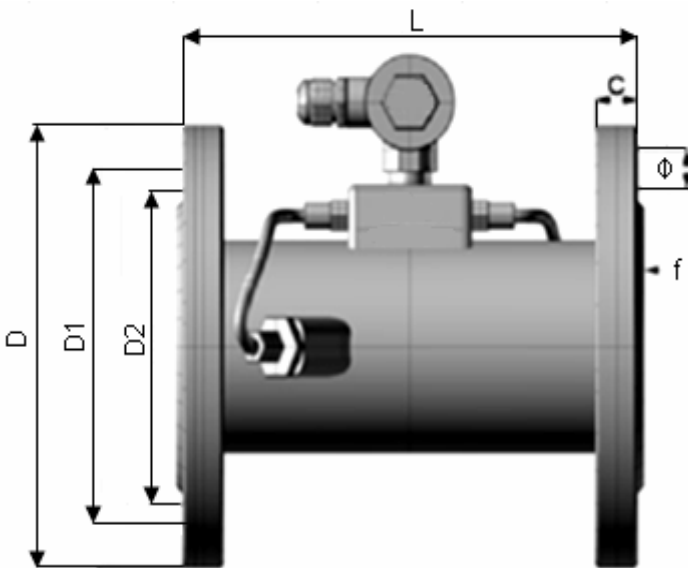
Model	STS (Small Size)	SHL (Medium Size)
Pipe Size	DN15-100mm	DN50-1000mm



● **Inline Type**

Fluid Temperature : -40~160 °C

Accuracy: 0.5%



DN	L	D	D1	φ×n	D2	f	C
50	200	165	125	18×4	99	3	20
65	200	185	145	18×4	118	3	20
80	225	200	160	18×4	132	3	20
100	250	220	180	18×8	156	3	22
125	250	250	210	18×8	184	3	22
150	300	285	240	22×8	211	3	24
200	350	340	295	22×12	266	3	24
250	450	405	355	26×12	319	3	26
300	500	460	410	26×12	370	4	28
350	550	520	470	26×12	429	4	30
400	600	580	525	26×16	480	4	32
450	700	640	585	30×20	548	4	34
500	800	715	650	33×20	609	4	36
600	1000	840	770	36×20	720	5	38
700	1100	910	840	36×24	794	5	40
800	1200	1025	950	39×24	901	5	42
900	1300	1125	1050	39×28	1001	5	44
1000	1400	1255	1170	42×28	1112	5	46

Note: all dimensions are mm unless stated

➤ ACCESSORY



Pt-100 RTD



Measuring Tape



Mounting Belt



Silicone grease



Thickness gauge



Transducer cable

➤ Energy Ultrasonic Flowmeter

● Wall Mount

Size: 180x170x56mm

Material: cast aluminium

Setting data: flow unit, zero, clear total flow, K-factor, date, passwords, linearity factor, etc....

Input: 3 channel 4-20mA analog input, 2 channel resistance signal input

Output: Isolation RS232/RS485 output, MODBUS 2 channel isolation OCT output 1 channel isolation 4-20mA output (two-wire)

Protection: IP65



● Compact

- Display:**
1. status
 2. error time
 3. temperature difference
 4. temperature
 5. energy flow
 6. total flow
 7. flow rate
 8. positive total flow

Size: 96x96x129mm

Input: 3 channel 4-20mA analog input, 2 channel resistance signal input

Output: Isolation RS232/RS485 output, 2 channel isolation OCT output 1 channel isolation 4-20mA output (two-wire), MODBUS

Protection: IP68

DC Power: 24VDC



● Remote Module

Size: 120x80x30mm

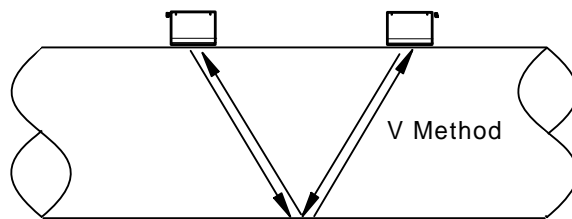
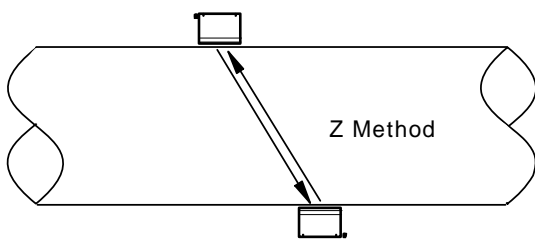
- Display:**
- | | | |
|----------------|------------------------|---------------------------|
| 1. status | 2. error time | 3. temperature difference |
| 4. temperature | 5. energy flow | 6. total energy flow |
| 7. flow rate | 8. positive total flow | |

Input: 3 channel 4-20mA analog input, 2 channel resistance signal input

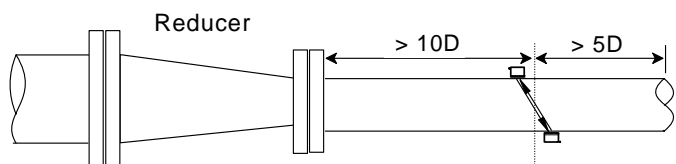
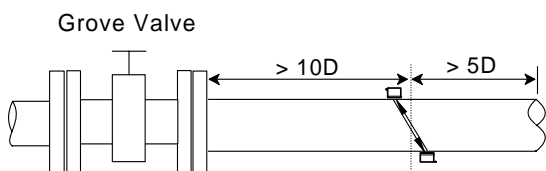
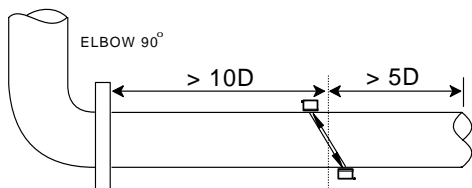
Output: Isolation RS232/RS485 output 2 channel isolation OCT output 1 channel isolation 4-20mA output



➤ INSTALLATION



➤ STRAIGHT RUN PIPING REQUIREMENT








**** Please contact your local SMC application engineer**

You also need to provide the following information:

Type of Fluid	We need the name of your fluid, including operating density and viscosity
Line Size	pipe size and sensor connection type (insertion,clamp, etc..)
Process Pressure and Temperature	We calibration your Flowmeter as close to your application as possible
Type of Electronics	output and install type (compact, wallmount, panelmount,etc..)
Pipe Material	We need the name of your pipe material

➤ Model Selection Guide

Alsonic-Energy							
Example 1: Alsonic-EG-CPE-SMCTS-C1-05-AC							
Alsonic-EG-	**	**	**	**	**		Description
Compact-multichannel with display,RS232/RS485,OCT output,4-20mA output 	CPE						Flow Meter
Module-Energy, 4-20mA, RTD input, RS-232/RS-485, OCT, 4-20mA output 	MUE						
Wall mount with display, multichannel input/outputs 	WLE						
Pair of Pt 100 RTDs		RTD					RTD
Small clamp sensor, 15 ~ 100 mm				SCS			Transducers
Middle clamp sensor, 50 ~ 1000 mm				SCM			
Large clamp sensor, 300 ~ 6000 mm				SCL			
High Temperature clamp sensor (-30-160°C), 15 ~ 100 mm				SHS			
High Temperature clamp sensor (-30-160°C), 50 ~ 1000 mm				SHL			
Standard insertion sensor				SIS			
Long insertion sensor				SIL			
Inline spool piece please state size in mm				SN-***			
5M, 2 Cables					C1		Signal Cable Length
10M, 2 Cables					C2		
15M, 2 Cables					C3		
Additional wall mount transmitter 						TW	Options
Additional panel mount transmitter 						TP	
thickness gague						P1	