

Flow sensor model

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The transducers come in three models and the mounting brackets come in three models.

Sensor models:

- | | | |
|-------|------------|--------------------------------|
| 1. S | : small | - measuring range DN25-DN100 |
| 2. M | : Medium | - measuring range DN50-DN700 |
| 3. L | : Large | - measuring range DN300-DN6000 |
| 4. SS | : smallest | - measuring range DN15-DN100 |

Bracket models:

- | | | |
|---------|----------------------|---------------------------------------|
| 1. HS | : For small range | - DN25-DN100 dimension 318 x 59 x 145 |
| 2. HM | : For medium range | - DN50-DN300 dimension 568 x 59 x 145 |
| 3. EB-1 | : Extended | - DN300-DN700 dimension 88 x 59 x 49 |
| 4. HSS | : For smallest range | - DN15-DN100 T bracket |

Use the respective bracket models mentioned below for the sensors according to the pipe size. L2 sensors for DN300–DN6000 don't need brackets.

HS bracket for **DN25-DN100**



HM bracket for **DN50-DN300**



2x EB-1 for **DN300-DN700** or 1 x HM and 1x EB1



HSS bracket for **DN15-DN100**



Portable kit sensors Vs fixed sensors



Portable sensors got plugs and fixed sensors got screw terminals

Interface pin-out definition



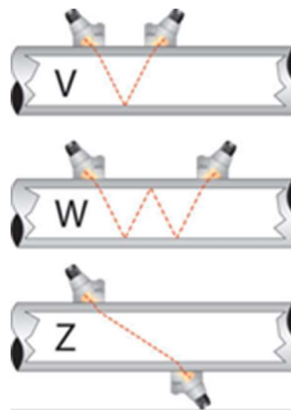
Pin	1	for battery recharge, positive input
	2	RXD
	3	TXD
	4	not used
	5	GND
	6	OCT output
	7	not used
	8	for battery recharge, negative input
	9	RING input for connecting a MODEM

Installation methods

V-method: This method is the most widely used method for daily measurement with pipe inner diameters ranging from DN20 to DN300. It is also called reflective method.

W method: This method is usually used on plastic pipes with a diameter from DN10 to DN100. This method can be effective on smaller pipes that have internal deposits.

Z-method: This method is commonly used when the pipe diameter is between DN300 to DN500. This method is the most direct for signal transfer and can therefore provide better results than V method on many applications.



Installation points

Horizontally lined pipes could have gas bubbles inside the upper part of the pipe. Therefore it is recommended to install the transducers horizontally by the side of the pipe.

