

## CS-GPS-01 Gas Pressure Sensor

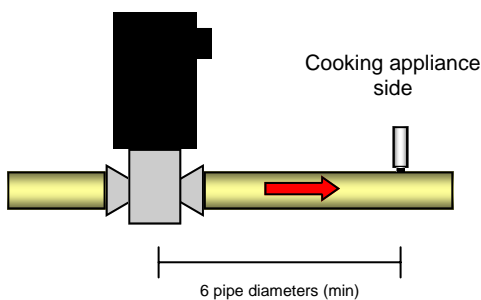
**CaterSense®** - Gas pressure sensor is used in conjunction with the CaterSense 02, 03 & 04 range of controllers to monitor the gas pressure on the appliance side of the gas solenoid valve and control this valve in the event of a gas pressure fault.

The transmitter has 1 x 0~10v analogue outputs which is linear in respect of the range of detection (0~50mbar).

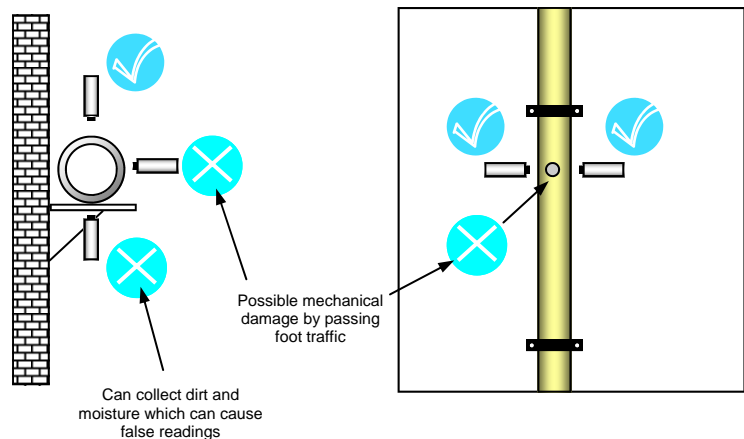


Model Type	Model	Description
	<b>CS-GPS-01</b>	Gas pressure sensor
<b>Technical Data</b>	Power supply	24Vac / dc
<b>Range</b>	0~50mbar	<i>Other ranges available - please contact us</i>
<b>Wiring connections</b>	Red	+24Vac / dc
	Black	0 volt ac / dc
	White	0~10vdc (mbar output)
<b>Connection</b>	G 1/4" BSP Male	
<b>Op temp</b>	-40 ~ +105 deg.C	
<b>Rating</b>	IP65	

**Gas pipe work mounted in the horizontal**



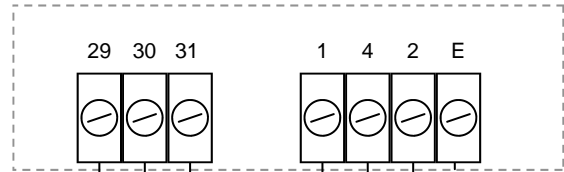
**Gas pipe work mounted in the vertical**



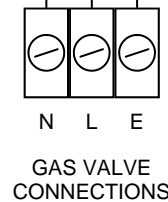
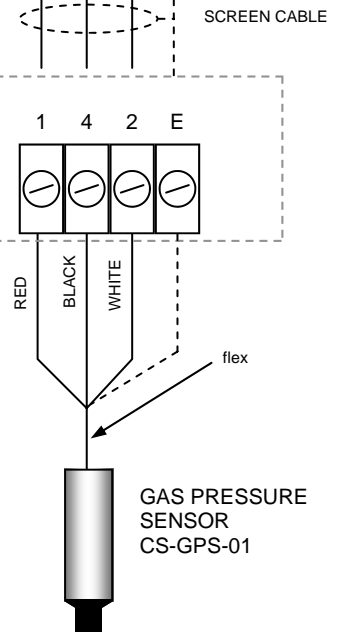
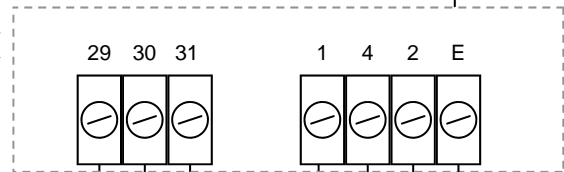
This symbol on this product or the package indicates that disposal of this product after its lifecycle could harm the environment. DO NOT dispose of this product (or batteries if used) as unsorted municipal waste. It should be disposed by a specialised company for recycling. This product should be returned to your distributor or to a local recycling service. Respect the local environment rules.

**Wiring details**

CATERSENSE GAS VALVE & SENSOR TERMINALS

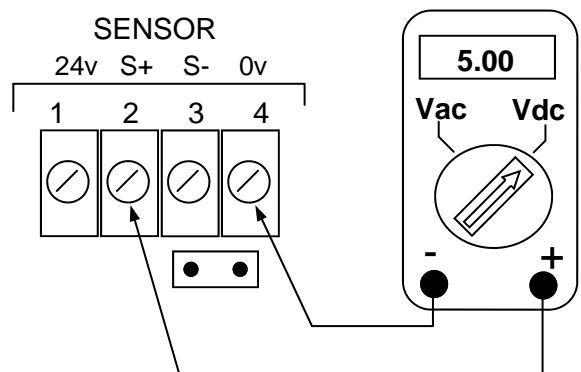


CS-GVJB-01 GAS VALVE & SENSOR JUNCTION BOX



**Gas Pressure to Voltage Table**

Voltage Vdc	Gas Pressure mbar	Voltage Vdc	Gas Pressure mbar
0.25	1.25	5.25	26.25
0.50	2.50	5.50	27.50
0.75	3.75	5.75	28.75
1.00	5.00	6.00	30.00
1.25	6.25	6.25	31.25
1.50	7.50	6.50	32.50
1.75	8.75	6.75	33.75
2.00	10.00	7.00	35.00
2.25	11.25	7.25	36.25
2.50	12.50	7.50	37.50
2.75	13.75	7.75	38.75
3.00	15.00	8.00	40.00
3.25	16.25	8.25	41.25
3.50	17.50	8.50	42.50
3.75	18.75	8.75	43.75
4.00	20.00	9.00	45.00
4.25	21.25	9.25	46.25
4.50	22.50	9.50	47.50
4.75	23.75	9.75	48.75
5.00	25.00	10.00	50.00



OR JUST TAKE VOLTAGE READING AND TIMES BY 5

Example above: 5volts x 5 = 25 mbar



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