



T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E

A-2152

Plug Detection Sensor



Thermometrics A-2152 Plug Detection Sensor is subjected to a specific voltage to promote heating of the sensing element. This is combined with the end user's fluid running past the sensor, which causes the sensor to cool down until a plug or loss in flow rate occurs. The sensor element will alert the system when a specific resistance is met for self-heating i.e., plug or loss in flow rate.

Applications

- Agriculture / Heavy Equipment
- Automotive HVAC Monitoring

Features

- High sensitivity
- Compact design
- Other resistance and beta values possible

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A-2152 Specifications

Operating Temperature Range:

-20°C to 85°C

Storage Temperature:

-55°C to 85°C

R @ 25°C:

200 Ω ± 2.0%

Beta (25/80) °C:

3449.37

Response Time:

Less than 15 seconds

Housing Material:

316 Stainless Steel

Weight:

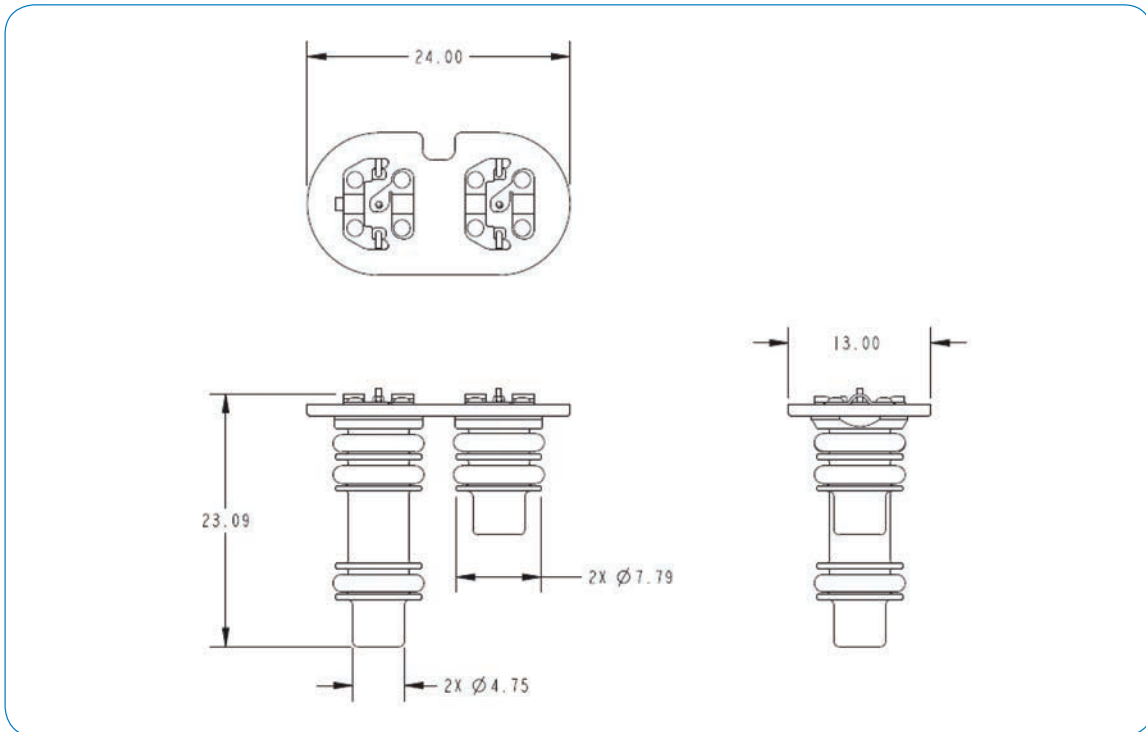
5.8 Grams

Flow Range:

0-6 lpm

R vs. T			
Temp (°C)	Resistance (Ω)	Resistance Tolerance (±%)	Tolerance (±°C)
-40	4199	5.01	0.9
-20	1428	3.95	0.8
0	558	3.02	0.7
25	200	2.0	0.5
40	116	2.58	0.7
60	59.7	3.23	1.0
80	33.0	3.82	1.4
100	19.4	4.36	1.7

Dimensions



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