

## Specification Datasheet - 0110058

Viamed

T-7V Oxygen Sensor



### Specifications

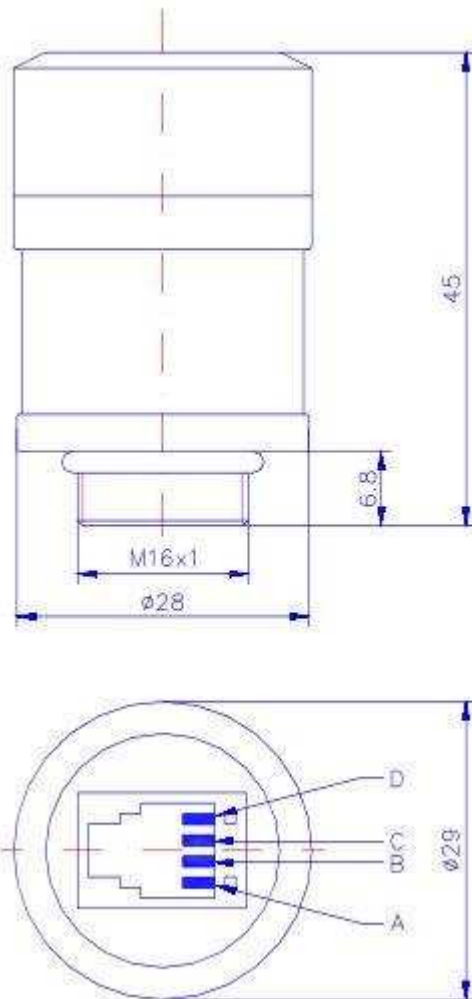
<b>Part number</b>	0110058
<b>Model</b>	T-7V
<b>Output</b>	0.40 +/- 0.1 microamps
<b>Output connector/connection</b>	RJ11 modular jack, 4P4C
<b>Input connector/connection</b>	M16 x 1
<b>Input O ring</b>	Yes
<b>Range</b>	0 – 100% oxygen
<b>Accuracy</b>	Meets the requirements of ISO 80601-2-55
<b>Pressure range</b>	0.6 bar – 2 bar (ppO <sub>2</sub> 0 – 1,250 mbar O <sub>2</sub> )
<b>Influence of pressure</b>	Output proportional to change in oxygen partial pressure
<b>Linearity error</b>	< 3% relative
<b>Warm up time</b>	< 30 minutes after sensor installed
<b>Zero offset voltage</b>	< 100 UV oxygen reading in 100% nitrogen @ 25°C after 5 minutes
<b>Cross interference</b>	Meets the requirements of ISO 80601-2-55
<b>Response time (t<sub>90</sub>)</b>	< 5 s for 90% of final value.
<b>Operating humidity</b>	0 – 99% R.H. (non-condensing).
<b>Influence of humidity</b>	- 0.03% relative per % R.H. at 25 °C.
<b>Influence of mechanical shock</b>	< 1% relative after fall from 1m
<b>Operating temperature range</b>	0 – 50 °C
<b>Storage temperature</b>	-20 to +50 °C
<b>Recommended storage temperature</b>	+5 to +15 °C
<b>Temperature compensation</b>	Integrated NTC thermistor
<b>Temperature compensation error</b>	+25 to +40 °C: 3% relative 0 to +50 °C: 8% relative
<b>Nominal sensor life</b>	> 500,000 % oxygen hours
<b>Long term output drift</b>	< 1% volume oxygen per month, typically < -15% over sensor lifetime.
<b>Recommended load</b>	> 10 KΩ
<b>Weight</b>	Approximately 28 g
<b>Flow diverter</b>	Not included
<b>Standards</b>	Meets with requirements of EN ISO 21647. Designed and manufactured according to EN ISO 9001:2008 & EN 13485:2007
<b>Packaging</b>	Blister/Blister card
<b>Warranty period</b>	15 months from date of sales invoice

All specifications are applicable at standard conditions: 1013 mbar, 25°C dry ambient air.



# VIAMED

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**A: No connection**  
**B: +ve**  
**C: -ve**  
**D: Temperature control**

All dimensions in mm