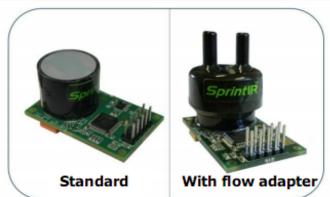


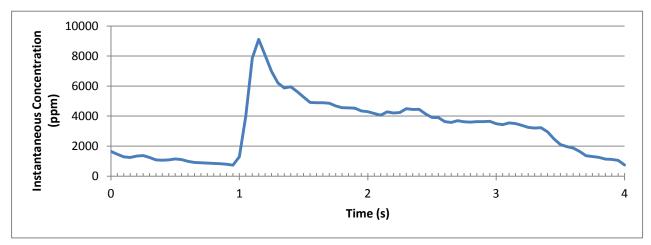
## SprintIR™

#### **High Speed Carbon Dioxide Sensor**

SprintIR is a high speed (20 Hz)  $CO_2$  sensor, ideally suited for applications which require capture of rapidly changing CO2 concentrations including metabolic assessment and analytical instrumentation.

- High speed sensing (20Hz)
- Measurement ranges from 0 to 100%
- 3.3V supply
- Low power requirement 35mW
- Flow through adaptor (Optional)





### Specifications

CO2 Measurement	
Sensing Method	Non-dispersive infrared (NDIR) absorption Patented Gold-plated optics Patented Solid-state source and detector
Sample Method	Diffusion(Standard) / Flow through (with flow-through adapter)
Measurement Range	0-5%, 0-20%, 0-60%, 0-100%
Accuracy	$\pm$ 70 ppm +/- 5% of reading <sup>1</sup>
Measurement Noise	<10% of reading with no digital filtering
Non Linearity	< 1% of FS
Pressure Dependence	0.1% of reading per mbar in normal atmospheric conditions
<b>Operating Pressure Range</b>	950 mbar to 10 bar <sup>2</sup>

#### **Apollosense Ltd**

Shenzhen:

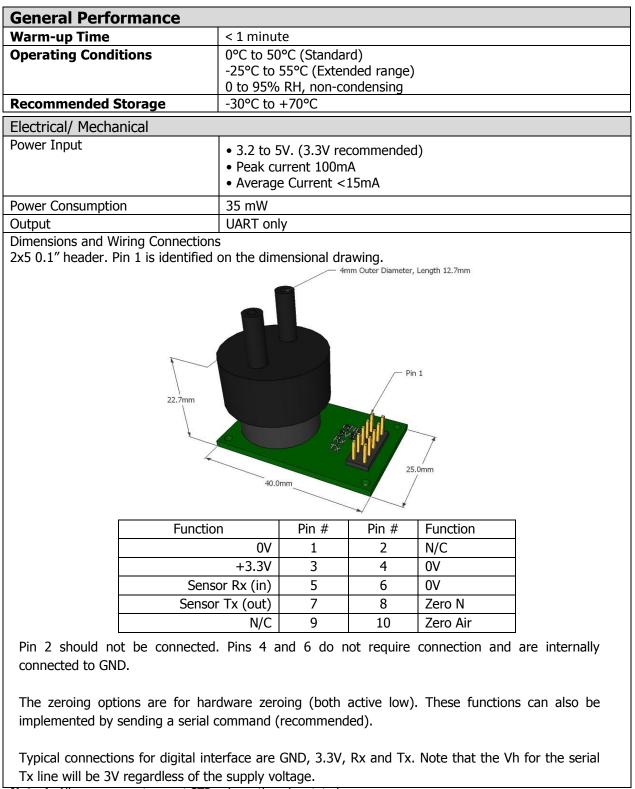
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# Apollo



Note 1: All measurements are at STP unless otherwise stated.

**Note 2:** External Pressure calibration required.

**Note 3**: User Configurable Filter Response.

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