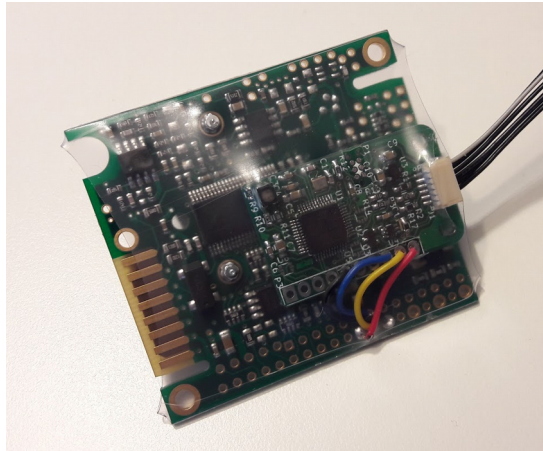




SKS6 Datasheet

Carbon Dioxide Sensor



SKS6 is a small carbon dioxide (CO₂) module compatible with the Sparvio system.

Parameters	Specifications
Measured Gas	Carbon Dioxide
Operating Principle	Non-dispersive infrared (NDIR)
Measurement Range	0 - 5000 ppm
Accuracy	±30 ppm ±3% of reading
Resolution	1 ppm (<i>to be confirmed</i>)
Response Time	2 seconds @ 0,5 l/min air flow 20 seconds with only diffusion
Sampling frequency	2 Hz
Operating Temperature	0 – +50°C
Warm-up time	1 minute
Supply Voltage	4.5 – 14 V _{DC} (<i>Contact Sparv Embedded for other options</i>) 5 – 9 V _{DC} preferred
Supply Current	73 mA average, < 600 mA peak
Communication	Sparvio SSP
Size	51 x 57 x 14 mm (L x W x appr. H)



Weight	Ca 19 gram
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Sparvio background

The Sparvio system provides a modular, plug-and-play solution for measuring various quantities for UAVs, other environmental studies, lab experiments and education. The system is designed to start immediate measurements without any further integration.