

Pressure sensor APS21

Features

- > On-chip amplification and temperature compensations
- > Pre-calibration of offset voltage and span
- > Built in EKO21N or iBOX datalogger with optional switched excitation for low power consumption

Applications

- > Industrial instrumentation .
- > Barometer, Altimeter
- > Altitude compensation

Specifications

Model/Rated pressure		Unit
Recommended operating conditions		
Pressure type	Absolute pressure	
Rated pressure	1150	
Measurable pressure range	150 1150	
Pressure media	Non-corrosive gas only	
Excitation voltage	5, 0	
Absolute maximum rating		
Maximum load pressure	Twice of rated pressure	
Maximum excitation voltage	8	
Operating temperature	40 125	
Storage temperature	40 125	
Operating humidity	30 - - 80 (No dew condensation)	
Electric performances/characteristics (Excitation voltage Vcc=5.0V constant, Ambient temperature T a = 25)		
Current consumption	less than 10	
Output impedance	less than 10	
Source current	less than 0.2	
Sink current	less than 2	
Mechanical response time	2(For the reference)	
Full scale span voltage	4.5	
Offset voltage		
Full scale span voltage		
Accuracy	After calibration Typ 1 hPa	1.5 (without post-calibration
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