Technical Specification

GlanAir DP20x Series

- Differential Pressure
- Temperature
- Relative Humidity

	DP200	DP201	DP202
Differential Pressure Sensor [1]			
Sensing range	-125 to 125 Pa	-500 to 500 Pa	-1,500 to 1,500 Pa
Zero point accuracy [2,3]	0.08 Pa	0.1 Pa	0.2 Pa
Span Accuracy [2,3]	3% of reading	3% of reading	3% of reading (-500 to 500 Pa) 6% of reading (-1,500 to 1,500 Pa)
Zero point repeatability [3]	0.025 Pa	0.03 Pa	0.1 Pa
Span repeatability [3]	0.5% of reading	0.5% of reading	0.5% of reading (-500 to 500 Pa) 3% of reading (-1,500 to 1,500 Pa)
Span shift due to temperature variation	< 0.5% of reading per 10°C	< 0.5% of reading per 10°C	< 1% of reading per 10°C
Off-set stability	< 0.01 Pa/year	< 0.01 Pa/year	< 0.03 Pa/year

Temperature Sensor	
Range	0 to 50°C
Accuracy	(at –10 to 85 °C) ±0.3 °C (typical)
Stability	< 0.01 °C/Y

Humidity Sensor	
Range	5 to 95% RH continuous
Accuracy	(at 0–90% RH) ± 5% RH (max)
Stability	< 0.25 %RH/yr

General	
Operating Temperature	0°C to 50°C
Dimensions	100mm x 162.5mm x 45mm (WxHxD)
IP Class	IP20
Weight	220g (enclosure weight without power supply)
Connectivity	GY36 Zigbee to Ethernet Gateway 2.4Ghz
Software	HEX cloud-based monitoring account
Power Input	100-240V International Adapter DC 12V +/- 10%, 420mA (supplied) Power over Ethernet option available
Power Consumption	250mA @ 12V nominal
Compliance & Certification	CE FC RoHS

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1. Unless otherwise noted, all sensor specifications are valid at 25°C with VDD = 3.3 V and absolute pressure = 966 mbar.
2. Includes repeatability
3. Total accuracy/repeatability is a sum of zero-point and span accuracy/repeatability.