

HEATWAVE

Moisture Tolerant PID



TVOC Sensors

Patented Innovative PID Sensor Technology
Specially Designed for use in Difficult Condensing Environments

PID Sensor Range Specifications

Range	LDL/MDQ	T90	Part Number	Sensitivity	Background
5 ppm	0.5 ppb	<15 Sec	HW-T50	200 mV/ppm	45 mV - 120 mV
20 ppm	1 ppb	< 15 Sec	HW-T21	80 mV/ppm	45 mV - 80mV
50 ppm	1 ppb	< 10 Sec	HW-T51	40 mV/ppm	45 mV - 60mV
200 ppm	10 ppb	< 5 Sec	HW-T22	10 mV/ppm	45 mV - 60mV
2000 ppm	100 ppb	< 5 Sec	HW-T23	1 mV/ppm	43 mV - 46 mV

Electrical Characteristics

Supply V	3.25 VDC ~ 5.5 VDC
Current	75 mA ~ 100 mA
Signal Range	45 mV ~ 2.5V Linear (2.95 V Max)

Physical

Weight	9 g
Diameter	20.4 mm
height	17.6 mm

Environmental Conditions

Temperature	-40 DegC ~ 55 Deg C
Humidity/Moisture	0% ~ 100% Condensing (light to moderate)
Pressure	0.5 Atm ~ 2 Atm (Ideal Gas Law dependent Drift)

Components and Warranties

Typical Working Life	> 5+ Years (body), 2 ~ 3 Years (lamp), 1 Year (cell)
Sensor Body Warranty	3 Years (does not include consumables)
Lamp Warranty	1.5 Years (Coated Lamp), 2 Years (Ceramic Body Lamp)
Detector Cell Warranty	1 Year
Certifications	RoHs Compliant, Use in non-hazardous environments

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Physical Dimensions (mm)

