

Titan vs Titan 2 Comparison



Titan



Titan 2



Sensor Type	PID, 10.6 eV lamp with selective filtering	MiniPID T2 10.0 eV Sensor
Selectivity	Benzene specific within typical petrochemical matrix	Benzene specific within typical petrochemical matrix
Detectable Range	0.1 ppm - 20 ppm	0.02 ppm - 20 ppm
Measuring Frequency	One minute	One minute
Lower Limit of Detection	0.1 ppm	0.02 ppm (20 ppb) (10 ppb resolution)
Accuracy	+ 0.1 ppm or + 10%, whichever is greater	+ 50 ppb or + 10%, whichever is greater*
Temperature Stability	Internally heated	Internally heated
Flow Rate	> 160 ml/min	≥ 100 ml/min
Data Storage	On board MMC, minimum of six months	On board MMC, minimum of six months (2GB)
Display	Graphical BW LCD 64 x 128 pixels	Graphical BW LCD 64 x 128 pixels
Humidity	0 - 99% RH	0 - 99% RH
Relay Output	Two isolated outputs, voltage free, 24 V DC @1.25 A	Two isolated outputs, voltage free, 24 V DC @1.25 A

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Weight and Dimensions	15 kg (33 lbs)	15 kg (33 lbs)
	219 x 219 x 172 mm (8.6 x 8.6 x 6.8" approx.)	219 x 219 x 172 mm (8.6 x 8.6 x 6.8" approx.)
Gas Sample Line	10 m max length, PTFE, 6 mm OD, 4 mm ID	10 m max length, PTFE, 6 mm OD, 4 mm ID
Ingress Protection Rating	IP65	IP65
Communication	Isolated 4-20 mA output	Isolated 4-20 mA output
	Isolated RS 485 Modbus	Isolated RS 485 Modbus
	USB when lid removed with PC software	Micro USB (PC Software)
Power	Vin (nom) 24 V DC @ 3.2 A	Vin (nom) 24 V DC @ 3.2 A
	Vin (max) 32 V DC @ 2.4 A	Vin (max) 32 V DC @ 2.4 A
	Vin (min) 19 V DC @ 4.0 A	Vin (min) 19 V DC @ 4.0 A
Operating Temperature	-20 to +50 °C**	-20 to +50 °C**