

Acrulog VOC PPM Monitor

Continuous, VOC monitoring with 10.6 eV PID lamp using micro sampling technology (MST). Includes 4-20mA output. Available options: 4G LTE-M or NB-IoT, RS485

TYPICAL APPLICATIONS

VOC spillage detection
Environmental monitoring
Elusive emissions detection
Wet well monitoring for fuel/chemicals
Sewer and landfill VOCs



FEATURES & BENEFITS

For long term monitoring of Volatile Organic Compounds

Incorporating a 10.6 eV PID Lamp

Wireless download of data via *Bluetooth®* technology

Battery backup with 2 x 1.5v D Alkaline batteries up to 7 days

Battery backup with 2 x 3.6v D Lithium batteries up to 20 days

Logging capacity of 3 million data points

Modified IP67 case with easy access to change batteries
(no tools required)

Large, clear, informative alpha-numeric display

Easy to download data using custom Acrustat software

Touch switch to access main menu

Optional Outputs: RS485, and 4G LTE-M or NB-IoT



Acrulog VOC PPM Monitor

The Acrulog VOC PPM is designed for long-term, continual, monitoring of Volatile Organic Compounds. The product incorporates a 10.6 eV PID lamp, built-in sample pump using micro sampling technology (MST) to promote fast response time and extended lamp life. This VOC monitor is capable of being deployed for up to 20 days using internal battery source and drawing a sample from up to 5 meters away with custom sample line.

SPECIFICATIONS

Measurement Range	0-4000 PPM
Sensor Type	10.6 eV PID lamp
Target Gases	VOCs with ionization potentials <10.6 eV
Linear Range	5% deviation
Instrument Temp Range	-10C to 50C (14F — 122F)
Sensor Temp Range	-10C to 50C (14F — 122F)
Relative Humidity Range	0-100% non-condensing
Remote Sample Draw Range	Up to 5 meters (16 feet) with Acrulog custom sample tube to suit application
Ingress Protection	Housed in a modified IP67 case
External Dimensions	205mm x 97mm x 63mm (8" x 3.8" x 2.5")
Instrument Weight	850 grams with batteries fitted (30oz / 1.8 pounds)
Logging Interval	10 minutes to 18 hours
4-20mA Output	Externally powered loop 12-24 volts DC (4-20mA output updated every second for connection to flash powered sampling loops)
Power Supply External (with 4-20mA or RS485)	External 5-24 volt DC supply (Average 30mA with peak of 50mA)
Internal Battery Backup	2 x 3.6v D size Lithium or 2 x 1.5v D size Alkaline batteries
Humidity Accuracy	+/- 5% RH @ 55% RH
Temperature Accuracy	+/- 0.3 @ 25C (77F)
Optional Output Upgrades	RS485, and 4G LTE CAT M1 or NB-IoT
Warranty	12 Months

Manufactured by:
Acrulog Pty Ltd
Unit 2/25 Redcliffe Gardens Drive
Clontarf QLD 4019 Australia
PH + 61 7 3419 2887
ABN: 72 168 668 095
www.acrulog.com / E_sales@acrulog.com

OPTIONAL ACCESSORIES

Solar shade
Inline sample dryer
Flash Back Arrestor
5m/10ft Sample Tube
Battery Bank