

Colorimetric Tubes and WatchGas Hand Pump

TOTAL DIGITALIZATION OF MEASUREMENTS



RTR COMPATIBLE

Applications

- Oil and gas upstream
- Oil and gas downstream
- Contractors
- Site maintenance
- Turnarounds and shutdowns
- Boiler rooms
- Steel plants
- Laboratories
- Shipping
- Power generation
- Mining

WatchGas Hand Pump

With an automatic safe draw pump stroke counter. An ergonomic and durable hand pump with solid metal construction and a lifetime warranty. The springless piston design accurately draws 25mL, 50mL, or 100mL volumes. Easy indication of each draw is provided by the built-in automatic stroke counter. A thermal ring allows you to apply the correction factor to the tube reading when required, ensuring even more accurate measurements. The hand pump is ergonomically designed with a front-positioned hand strap to eliminate snagging during sampling.

The GEN-7 Air Sampling Pump

The GEN-7 Air Sampling Pump is designed for use with any brand of gas detection tubes, thanks to the different adapters that are included. The WatchGas GEN-7 Air Sampling Pump allows accurate measurements of gases with a guaranteed 50mL or 100mL air sample or more with multiple pump strokes. To be used with all short term Gas Detector Tubes of 6mm and 8mm diameter.

WatchGas RTR Solution

Mobile application and software solution will seamlessly capture data and generate reports reducing the risk of lost data and reporting time. Adding location, tube badge, pictures and weather data to the report in real time provides the user with an enhanced quality of reporting results. Reduce business interruption with data availability instant at management office. No lost papers and no reporting delay.

Features and Benefits



Digital Storage

Increase quality of the stored data including: location, picture of tube and barometric data is collected automatically. Easy to edit reports. Gas testers do not need to worry about reporting data as its all done automatically, reducing the hassle of paperwork. Flagged reports with gas over reading limites. See the back for the download QR code.



Wide Availability

With tubes for over 120 different gases with more under development, the WatchGas tube range is constantly expanding. As applications of interest come, we will look to make a bespoke tube for that application or target gas to allow our partners to offer a solution in this space.



Simple Use

Easy to use, even in multiple layers of gloves and PPE. Easy to read with sharp, clear color changes. No calibration or other maintenance is required. It comes with a built-in illuminated leak check function for the pump to avoid incorrect readings.



Cost-Effectiveness

With the cost effectiveness of the tube offering utilizing the GEN-7 Air Sampling Pump and reducing the reporting time with WatchGas tube application reduces the cost of operation. The GEN-7 Air Sampling Pump outside the ISO 17621 compliancy will work with all 100 ml single draw tubes.

Type part	Number	Standard range	Extended range
Acetone	WG-ACE-40	0.1 – 2%	0.05 – 10%
Ammonia	WG-NH3-05	1 – 30 ppm	0.5 – 60 ppm
	WG-NH3-10	5 – 100 ppm	2.5 – 200 ppm
	WG-NH3-12	10 – 260 ppm	5 – 520 ppm
	WG-NH3-15	25 – 500 ppm	12 – 1,000 ppm
Benzene	WG-BZE-01*	0.5 – 10 ppm selective	0.25 – 30 ppm
	WG-BZE-10*	5.0 – 40 ppm selective	2.5 – 200 ppm
	WG-BZE-20	5 – 100 ppm	2.5 – 200 ppm
Butane	WG-BTE-30	25 – 1,400 ppm	12.2 – 2,800 ppm
Carbon dioxide	WG-CO2-30	300 – 5,000 ppm	150 – 25,000 ppm
	WG-CO2-40	0.05 – 1%	0.025 – 5%
	WG-CO2-45	0.25 – 3%	0.12 – 6%
	WG-CO2-50	1 – 20%	0.25 – 50%
	WG-CO2-60	5 – 40%	1.25 – 70%
Carbon monoxide	WG-CO-18	5 – 100 ppm selective	2.5 – 300 ppm
	WG-CO-20	5 – 100 ppm	2.5 – 200 ppm
	WG-CO-30	20– 500	10 – 1000 ppm
Chlorine	WG-CL2-10	0.25-15 ppm	0.05 – 30 ppm
	WG-CL2-20	5 – 100 ppm	2.5 – 200 ppm
Diesel & jet fuel	WG-DJF-10	0.5 – 25 ppm	N/A
Ethanol	WG-ETN-30	100 – 2000 ppm	50 – 2000 ppm
Formaldehyde	WG-FLH-05	0.1 – 5 ppm	0.1 – 40 ppm
Hydrogen chloride	WG-HCL-09	1 – 20 ppm	0.5 – 40 ppm
	WG-HCL-10*	1 – 20 ppm w/ desiccant	0.5 – 40 ppm
	WG-HCL-22	20 – 500 ppm	10 – 1000 ppm
Hydrogen cyanide	WG-HCN-10	2.5 – 60 ppm	1.25 – 120 ppm
Hydrogen fluoride	WG-HF-10	0.5 – 20 ppm	0.25 – 40 ppm

Type part	Number	Standard range	Extended range
Hydrogen sulfide	WG-H2S-04	0.2 – 3 ppm	0.1 – 6 ppm
	WG-H2S-05*	0.2 – 3 ppm w/ desiccant	0.1 – 6 ppm
	WG-H2S-06	1 – 7 ppm	0.25 – 7 ppm
	WG-H2S-10	2.5 – 60 ppm	1.25 – 300 ppm
	WG-H2S-15	10 – 120 ppm	5 – 600 ppm
	WG-H2S-18	25 – 250 ppm	12.5 – 1250 ppm
	WG-H2S-20	50 – 800 ppm	25 – 4,000 ppm
	WG-H2S-30	100 – 2,000 ppm	50 – 9,600ppm
	WG-H2S-40	0.1 – 2%	0.05 – 10%
	WG-H2S-50	2 – 40%	0.5 – 70%
MEK	WG-MEK-20	0.02 – 0.6 %	0.01 – 1.8 %
Nitrogen dioxide	WG-NO2-10	0.5 – 30 ppm	N/A
Nitrogen oxides	WG-NO-20*	1 – 50 ppm	0.5-100 ppm
Ozone	WG-O3-03	0.05 – 0.6 ppm	0.15 – 1.8 ppm
Phosphine	WG-PH3-005	0.1 – 10 ppm	0.05 – 20 ppm
	WG-PH3-10	5 – 50 ppm	2.5 – 100 ppm
	WG-PH3-20	25 – 500 ppm	12.5 – 1,000 ppm
	WG-PH3-25	50 – 1,000 ppm	25 – 2,000 ppm
Sulfur dioxide	WG-SO2-15	2 – 30 ppm	1 – 60 ppm
	WG-SO2-20	5 – 100 ppm	2.5 – 200 ppm
	WG-SO2-25	100 – 1,800 ppm	50 – 3,600 ppm
	WG-SO2-30	200 – 4,000 ppm	50 – 12000 ppm
	WG-SO2-40	0.2 – 5 %	0.1 – 50 %
Water vapor	WG-WVA-10	"2-10 lbs/MMCF (0.03-0.16 mg/L)"	1 – 20 lbs/MMCF
	WG-WVA-20	"6-40 lbs/MMCF (0.1-0.64 mg/L)"	3 – 80 lbs/MMCF
	WG-WVA-30	0.05 – 1 mg/L	0.025 – 2 mg/L

* = boxes containing 5 colorimetric tubes and 5 pre-tubes, for a total of 5 measurements. Boxes w/o asterisk have 10 tubes.



Download the
WatchGas Tubes App
using the QR-code

For more information

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Colorimetric Tubes and Hand Pump DS EN V1.1L1E © 2025 WatchGas B.V.

WatchGas is dedicated to continuously improving its products. Therefore, the specifications and features mentioned in this datasheet are subject to change without prior notice.

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