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SPECIAL INSTRUMENTS FOR PARTICULAR APPLICATION

CO/CO₂ Monitor (for building management)

UM-300

For indoor air quality measurement in buildings and classrooms. Auto sensitivity calibration by suctioning standard gas after setting the value. High stability for continuous measurement.



CO/CO₂ Monitor (for high concentration measurement)

UR-23AU3

The UR-23AU3 CO/CO₂ monitor measures high concentration of Carbon monoxide and Carbon dioxide for process control of gas generators for heat-treated metal parts and displays the concentration of the 2 components digitally and analogue outputs. The detection method is highly-reliable accurate NDIR.



Residual Oxygen Meter

OA-220

For measurement of residual Oxygen in inert gas. Compact design with a built-in suction pump.
※Suitable for control on oxygen deficiency as well.



Emergency main valve shut off system for high-pressure gas cylinder

VS-200

The Model VS-200 valve shutter is designed to prevent secondary disasters caused by leakage of gas or earthquakes. The lock function of the main valve opening adopts direct operated small cylinder and the internal structure adopts metallic gear mechanism for good in durability.



Specification

Model	UM-300		UR-23AU3	
Measuring gas	Carbon monoxide	Carbon dioxide	Carbon monoxide	Carbon dioxide
Detection method	Chronoamperometry		NDIR	
Measuring range	0~100.0ppm	0~10,000ppm	0.0~5.0vol%	0.0~20.0vol%
Resolution	0.1ppm	10ppm	0.1vol%	0.1vol%
Detectable accuracy	0~10ppm:±2.5ppm 11~100ppm:±5ppm	0~2,000ppm:±50ppm 2,010~5,000ppm:±100ppm 5,010~10,000ppm:±500ppm	±5% of full scale	
Display method	Segment LCD		LCD	
Operating temperature	0~40°C; 0~90%RH (non-condensing)		-10~50°C; below 90%RH (non-condensing)	
Analogue output	DC 0-1V/1000 segment (linear)		DC4~20mA (linear)	
Power supply	4 x AA size alkaline dry battery (AC adaptor is optional)		AC100V~15~+10% 50/60Hz 1φ	
Continuous operation time	Approx. 6 hours with alkaline dry batteries		Continuous operation possible	
Dimensions	230 (W)×90 (H)×137 (D) mm		370 (W)×157 (H)×315 (D) mm	
Weight	Approx. 1Kg (excluding batteries)		Approx. 7.5Kg	

Model	OA-220
Measuring gas	Oxygen in inert gas
Detection method	Galvanic cell
Measuring range	0.0~25.0vol%
Resolution	0.1vol%
Detectable accuracy	±0.7vol%O ₂
Alarm setting value	1.0vol%
Alarm display	Intermittent red LED light and buzzer sound
Alarm contact output	Non-voltage 1b contact
Power supply	AC100V±10% 50/60Hz
Power consumption	Approx. 5VA
Operating temperature	-10~40°C; below 90%RH (non-condensing)
Dimensions	200 (W)×110 (H)×200 (D) mm
Weight	Approx. 4Kg

VS-200	
Operation method	Main valve opening: Manual Main valve closing: Spiral spring drive
Recommended operation air pressure	0.35MPa
Operation air inlet	φ6/4mm plastic tubing
Wind-up torque for main valve	4N·m (when valve shut off)
Operation confirmation	Colour indicator
Installation to high-pressure gas cylinder	Clamp handle
Dimensions	118 (W)×296 (H)×173 (D) mm
Weight	Approx. 3Kg