

4/5 Gas Analyzer Technical Specification BTGS22

COMBINED GAS ANALYZER AND SMOKE METER



Easy to carry & Operate

Features Battery-based & Magnetic

Very Compact, Small in Size & Light in Weight

High Quality Indian Product with Latest Technology



TECHNICAL SPECIFICATIONS

Measurement Parameter	Principle of Measurement	Specified Range	Accuracy vol	Accuracy %	Resolution
CO	NDIR	0-15%	±0.06%	±3%	0.001%
HC	NDIR	0-20000 PPM	±12 PPM	±5%	1 PPM
CO2	NDIR	0-20%	±0.4%	±4%	0.1%
O2	Electro-Chemical	0-21%	±0.1%	±3%	0.01%
OIL Temp	RTD	0-150°	±0.2°c	±0.3%	1. 0°c
NOX	Electro-Chemical (Opt.)	0-5000	25 PPM	±5%	1PPM
RPM	Battery Based	400-9999	10 RPM		1 RPM
	Magnetic Based	400-9999	10 RPM		1 RPM
LAMBDA		0-9.999			0.001
Power Supply	AC:230V /1Ph/50 - 60Hz ± 10% Adapter Through External Battery 12VDC ± 10%				
power consumption	36 W				
Warm UP Time	425 sec.				
Fuel Types	Petrol,CNG, LPG				
Operating Temperature	0-50°c pressure between 850 mBar an 1060 mBar , Humidity : 0-90% relative				
Response Time	10sec				
Measuring Gas	5 L/Min				
Display	128x64 graphical Lcd (3.60 mm Character Size)				
Remote Display	128x64 Graphical Lcd (3.60 mm Character Size) optional				
PC Compatible	RS 232 Cable & USB optional				
Printer	Thermal printer optional				
Keyboard	Membrane Keypad 12 keys				
Zero	Auto zero & Manuals Zero				
Gas Flow Rate	3.5 l/min. to 4.5 l/min				
Dimension	L 16.5 X B 9.5X H 10 Inch				
Weight	10.00 Kgs.				



UTKAL ELECTRONICS

Plot No - 97/156/430, Khata No-43/161, Motiganj, Kasimabad,
Sadar, Balasore, Odisha, 756003. Mob : 9810908619

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Smoke Meter Technical Specification BTGS22

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TECHNICAL SPECIFICATIONS

Measurement Parameter	Principle of Measurement	Range	Resolution
Opacity (HU)	Photo Diode Protected by a lens and regulated in Temperature.	0 - 99.9 %	0.1%
Opacity K (m-1)	Photo Diode Protected by a lens and regulated in Temperature.	0 -16.06 m-1	0.01m-1
RPM	Battery Based	400 - 9999	10 RPM
	Magnet Based	400 - 9999	10 RPM
OIL Temp	RTD	0 – 150 °c	1°c
Power Supply	12 V DC 6 Amp Adapter input voltage : Through External Battery 12VDC ± 10%	AC 230V/1Ph/50-60Hz ± 10%	
power consumption	50 W		
Warm UP Time	less than 600 sec.		
Light Source	Green Led Commanded By Micro Controller For extra Long Life		
Detector	Photo Diode Protected by a lens and regulated in Temperature.		
Opacity Transducer	Tube of 215 mm long Regulated in Temperature.		
Ventilation	Flat Positioned fan, Continuous Measurement of its Speed of rotation		
Response Time	Physical : < 0.35 sec. Electric : < 0.01 sec.		
Zero	Auto Zero & Manuals Zero		
Operating Temperature	0-50°c		
Display	128x64 Graphical Lcd (3.60 mm Character Size)		
Remote Display	128x64 Graphical Lcd (3.60 mm Character Size)		
PC Compatible	RS 232 Cable & USB optional		
Printer	Thermal printer optional		
Keyboard	Membrane Keypad 12 keys		
Dimension	L 16.5 X B 9.5X H 10 Inch		
Weight	10.00 Kgs		



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