

EPM1602**EDM1602****ARAI Certified****TECHNICAL SPECIFICATIONS**

Parameter		Range	Resolution	Accuracy
CO	NDIR	0-15%	0.001%	±5%
HC	NDIR	0-20000ppm	1ppm	±5%
CO ₂	NDIR	0-20%	0.01%	±5%
O ₂	Electrochemical	0-25%	0.01%	±5%
NO _x */SO _x *	Electrochemical	0-5000ppm	1ppm	±5%
Lambda (λ)		0.2-2.0	0.001	
AFR		0-30%	0.01%	
RPM	Battery/Magnetic	400-10000	10	
OT	RTD	0-150°C	1°C	±2%
Operating Temperature		0-50°C		±3°C
Measuring Gas Intake		1 ltr/min		
Response Time		<5sec (for sampling probe length of 3m)		
Warm-up Time (≥25°C)		<3min		
Display Type		LCD		
Keyboard		Membrane keypad (3 x 4)		
Power Supply		12VDC±1.2V or 230VAC ±20%		
Power		75W		
Dimension		260 x 280 x 80mm (LxBxH)		
Weight		5 kg		

*Optional

FEATURES

Designed to conform ISO3930 standard
 High-end microcontroller technology
 Easily upgradeable to measure 6 gases
 Water sensor stops suction
 Improved interior design for easy service
 Self-diagnostic facility
 Integrated self-check facility
 Electronic leak check facility
 Automatic pump/solenoid valve control facility
 Automatic zero calibration
 Digital span calibration
 USB and RS232C ports for PC interface
 Operable on both AC and DC
 Display of Lambda/AFR/PEF
 Fuel selection facility: Petrol/Diesel/CNG/LPG
 Low battery voltage cut-off
 Power Saver automatically turns off the instrument

ACCESSORIES

- Sampling Probe & Tube
- RS232/USB Interface Cable
- AC-DC Adapter with power cord
- Wireless Remote with Charger (Optional)
- RPM Sensor with accessories (Optional)
- Software CD/User Manual

TECHNICAL SPECIFICATIONS

Parameters		Range	Resolution
HU	Light absorption	0-99.99%	0.01%
K	Light absorption	0-21.439m ⁻¹	0.001m ⁻¹
RPM	Piezo	0-6000	1
	Battery	0-6000	10
	Magnetic	0-6000	10
OT	RTD	0-150°C	1°C
Operating Temperature		0-50°C	
Linearity		±0.1m ⁻¹	
Repeatability		±0.1m ⁻¹	
Drift		±0.1m ⁻¹	
Response Time		Physical: <0.4 sec; Electrical: <1 msec	
Smoke Column		215mm long (430mm folded length)	
Warm-up Time		<5min	
Display Type		LCD	
Keyboard		Membrane keypad (3 x 4)	
Power Supply		12VDC±1.2V or 230VAC ±20%	
Power		75W	
Dimension		445 x 140 x 180mm (LxBxH)	
Weight		8 kg	

FEATURES

High-end microcontroller technology
 Improved interior design for easy service
 Self-diagnostic facility
 Integrated self-check facility
 Automatic zero calibration
 Automatic fan/heaters control facility
 USB and RS232C ports for PC interface
 Operable on both AC and DC
 Low battery voltage cut-off
 24 column dot matrix wireless printer
 Functions on folded geometry principle
 Apt for free acceleration tests
 Suitable for road tests using vehicle battery
 Wireless Remote
 Wireless RPM Sensor
 Multi RPM selection facility
 Power Saver automatically turns off the instrument

ACCESSORIES

- Sampling Probe & Tube
- RS232/USB Interface Cable
- AC-DC Adapter with power cord
- Wireless Remote with Charger
- RPM Sensor with accessories
- Software CD/User Manual

**i3Sys**

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