

# MAHA MPM-4M

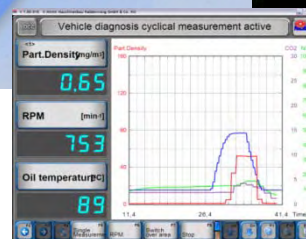


## Particle Measurement Device for Mining and Non-Road Applications

### CONTACT INFORMATION

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Tel 1800 999 902  
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<http://www.gastech.com.au>

## Continuous Particle Measurement



- Real-time measurement of DPM concentration (Total Carbon [TC] or Elemental Carbon [EC])
- Designed for operation in harsh conditions
- Advanced microprocessor monitors test from start to finish
- Controlled sample preconditioning to minimize measurement errors
- Fully integrated stand-alone instrument
- Test results displayed immediately at completion of test
- Large high resolution screen plus visual operator prompts
- One button operation (with optional remote control for single operator testing)
- Good correlation with laboratory analyzers
- Suitable for steady-state or transient test measurements
- Auto-zero before every test
- One minute field calibration
- Optional internal NiMH battery-operation (2 h testing per charge)
- Rugged steel case – weight less than 10 lbs



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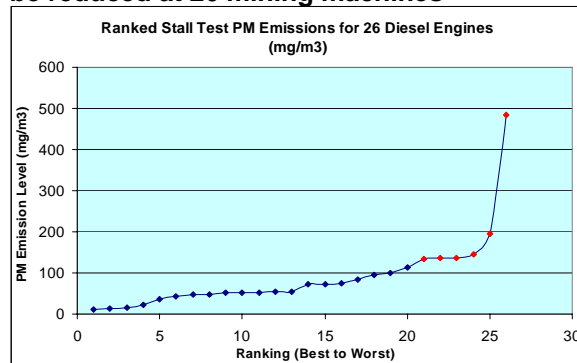
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**Technical Data**

Measurement Method	Laser light-scattering photometry
Particle Size Range	<100nm to >10 microns
Particle Concentration Range	0.1 to >700 mg/m <sup>3</sup> (Total carbon [TC] or Elemental Carbon [EC])
	<0.1 mg/m <sup>3</sup>
Resolution	2.0 lpm (nominal)
Sample Flow	Auto-Ranging
Range selection	Auto-Zero prior to every test
Calibration	One minute span check (calibration tool supplied)
	Low Range 0-5V = 0 - 40mg/m <sup>3</sup>
	High Range 0-5V = 0 - 600mg/m <sup>3</sup>
Output (Analogue)	RS232 at 5 Hz
Output (Serial)	12V volts DC (via ext. adapter)
Operating Voltage	(battery power optional)
	1.7 amp (max)
Operating Current	4.5 kg (approx)
Analyser mass	Sample hose, sample probe, calibration tool, user manual, 90-260V AC to 12V DC adaptor
Supplied Accessories	One disposable filter
Maintenance items	

**More than 60% of the particle emissions could be reduced at 26 mining machines**



**Built in „Stall Test“ according to Australian mining regulations**

