

PACIFIC DATA SYSTEMS

AUSTRALIA

NEW

DPM-RT 2

Real-time Diesel Particulate Analyser



The DPM-RT is the portable tool that environmental, compliance, ventilation, maintenance and service technicians need to reliably monitor Diesel Particulate Matter (DPM) emissions from the tail (exhaust) pipe of heavy vehicles.

Additionally, targeted engine maintenance can drastically reduce DPM emissions which can contribute to serious health concerns.

Features

- Touch screen
- Data download via Wifi on web browser or USB flash drive
- Record vehicle and section numbers with test
- Cigarette lighter charger option
- Rechargeable battery
- Portable & lightweight at 4 KG
- Field calibration check tool
- Traceable to NIOSH 5040 Industry Measurement Standard
- Instant measurement of fine particulate levels in diesel exhaust



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Benefits

- **Data logging of results:** Record vehicle and section details along with DPM test results to build a repository of your critical historical testing data. With easy access via USB or a web browser using Wi-Fi, the data repository gives users the ability to move away from manual note-taking of results. This saves time and reduces risks to data integrity.
- **Accurate Measurement:** The DPM-RT utilises advanced laser light-scattering sensing of particulate matter in a simple, modern and reliable all in one instrument.
- **Rapid Results:** The DPM-RT has been pre-programmed to measure particulate mass emissions during a Stall Test or Free Acceleration Test in as little as just one minute through automated programming, all the operator needs to do is watch the DPM-RT screen and control the load of the engine. Watch the DPM levels in real-time while the DPM is processing the sample.
- **Simple Operation:** The instrument is highly automated with a touch screen presenting the three sampling operations. It is designed for ease of use by maintenance personnel as an everyday workshop tool, after minimal training. Routine maintenance of the DPM-RT is limited to checking and periodically replacing one disposable filter.

DPM-RT-2 (Sn: DPM-RT-2-SN)					
Date/Time	Vehicle	Engine	Section	Test	Result
2020-12-03 12:31:56	--	--	--	Continuous Test	0.0 (Min: 0.0 / Max: 0.4)
2020-11-20 12:44:33	4015	710	ZERO PRESSURE PIPE	Continuous Test	5.2 (Min: 0.0 / Max: 115.9)
2020-11-20 12:12:59	--	--	--	Continuous Test	5.3 (Min: 0.0 / Max: 78.1)
2020-11-20 05:16:50	--	--	--	Continuous Test	0.0 (Min: 0.0 / Max: 0.0)
2020-11-20 05:15:19	TRIAL SETUP	--	--	Continuous Test	0.0 (Min: 0.0 / Max: 0.0)
2020-11-19 06:39:16	--	--	--	Continuous Test	0.0 (Min: 0.0 / Max: 0.0)
2020-11-19 06:38:11	--	--	--	Continuous Test	0.0 (Min: 0.0 / Max: 0.0)
2020-11-18 18:24:10	--	--	--	Continuous Test	0.0 (Min: 0.0 / Max: 0.1)

Why Should I Conduct DPM Measurements?

- Health & hygiene of team members
- Mechanical repair cost reductions
- Compliance with emissions management policies

Applications

- Underground mining vehicles
- Marine diesel engines
- Industrial generators
- Logistics
- Forklifts and heavy vehicles
- Locomotives

