

Optical Transmittance Smoke Meter for diesel vehicles

CTN-2200

Environmental Meter Leader Good Morning Corp. is
moving toward a clean environment



- Partial light transmission system
- Real-time measurement with fast response speed
- Powerful dual fan air curtain (anti-contamination lens)
- Light and simple design
- Vehicle number printable
- Built-in pre-axel and peak hold functions
- RS232 communication method
- Automatic adjustment of LED light value (accurate smoke value)
- Remote control connection allows remote equipment operation (optional)
- Printable results with optional printer
- Vehicle RPM, OIL temperature measurable (optional)

Product Specs

Item	Content			
Model / Product Name	CTN-2200 / Transmittance-type Smoke Meter			
Measurement Items	Smoke Concentration, Absorption Coefficient, RPM (option), Oil Temperature °C (option)			
Measurement Method	Partial Flow Sampling Transmittance Method			
Used Filter	0.5-second Besel Low Pass Digital Filter			
Source / Detector Green	Green LED (565nm) / Photodiode			
Measurement Range	Smoke Concentration	Absorption Coefficient	RPM	Oil Temperature
	0.0 ~ 100 %	0.00 ~ 21.42 m ⁻¹	0 ~ 8,000 rpm	0 ~ 200 °C
Resolution	0.1 %	0.01 m ⁻¹	10 rpm	0.1 °C
Display	4-digit 7-segments LED	4-digit 7-segments LED	4-digit 7-segments LED	4-digit 7-segments LED
Cell length / inner diameter	Length: 215mm / Inner diameter: 21mm	Warm-up time	Approximately 5 minutes	
Cell temperature	Approximately 70~80°C constant temperature	Operating temperature	-10 ~ 40°C	
Repeatability / Accuracy	Within 1% / Within ±1% (RPM: ±80rpm)	Power supply / Power consumption	AC 110V ~ 220V, 50Hz ~ 60Hz / Approximately 65W	
Response time	0.5 seconds (90%)	Size / Weight	425(W) x 190(D) x 385(H) mm / Approximately 5kg (main unit)	
Smoke measurement speed	60 times per second	Probe hose length	1.5m	
Smoke concentration display	4 times per second	Basic accessories	Probe and hose, power cord, communication cable, PC program, user manual, fuse	
Data transfer (communication)	RS232C, 10 times per second	Optional	Printer, remote control, standard filter, RPM, oil temperature	

Accessories



Remote control



Printer



Standard filter



RPM Analyzer

GMC
Good Morning Corporation
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