

OPACIMETER PART No. TSM-C11-U

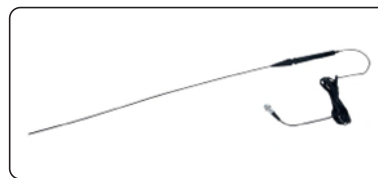
- According to ISO11614
- Used to test the visible contaminants in emissions (exhaust smoke) from the compression combustion (diesel) engine. Suitable for environmental protection, motor vehicle testing, engine manufacturing, automobile manufacturing and automobile repair
- LCD display and touch screen, can test opacity and light absorption coefficient, simple and intuitive
- With free acceleration test and transient test function, automatic data processing
- Use sampling (split) test and air curtain protection technology, prevent the optical system from being polluted by exhaust smoke
- Test chamber is controlled under constant temperature, prevent the moisture condensation and temperature fluctuation for accurate measurements
- Automatic preheating and zeroing
- RS232 serial port communicates with external computer



speed adaptor (optional)



standard filter (included)



oil temperature sensor (optional)



SPECIFICATION

Measuring range	opacity Ns	0~99.9%
	light absorption coefficient K	0~16.0m ⁻¹
	rotary speed	300~8000rpm
	oil temperature	32~248°F
Resolution	opacity Ns	0.1%
	light absorption coefficient K	0.01m ⁻¹
	rotary speed	1rpm
	oil temperature	1.8°F
Accuracy	opacity Ns	±2%
	light absorption coefficient K	±0.05m ⁻¹
	rotary speed	±1%
	oil temperature	±3.6°F
Warm-up		15min
Effective length of optical path		8.47"
Equivalent length of optical path		46.93"
Environment	temperature	41~104°F
	relative humidity	5~95%RH
Power supply		AC110V, 60Hz
Dimension (W×D×H)	control unit	14.6×11.0×8.7"
	measurement unit	17.1×9.1×14.2"
Weight	control unit	12.1lb
	measurement unit	14.3lb

STANDARD DELIVERY

Main unit	control unit	1pc
	measurement unit	1pc
Sampling probe		1pc
Connection cable		1pc
Standard filter		1pc
Printer		1pc

OPTIONAL ACCESSORY

Speed adaptor	TSM-C11-S
Oil temperature sensor	TSM-C11-T
Software and RS-232C cable	TSM-C11-SOFTWARE