

OPACIMETER

PART NO. TSM-C11U

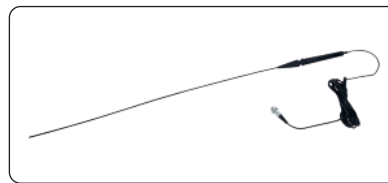
- According to ISO11614
- Used to test the visible contaminants in emissions (exhaust smoke) from the compression combustion (diesel) engine. Suitable for environmental protection, motor vehicle testing, engine manufacturing, automobile manufacturing and automobile repair
- LCD display and touch screen, 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		215mm
Equivalent length of optical path		430mm
Environment	Temperature	41~104°F
	Relative humidity	5~95%RH
Power		AC110V 60Hz
Dimension	Control unit	14.6×11.0×8.7"
	Measurement unit	17.1×9.1×14.2"
Weight	Control unit	12.1lb
	Measurement unit	14.3kg

STANDARD DELIVERY

Main unit	Control unit	1pc
	Measurement unit	1pc
Sampling probe		1pc
Connection cable		1pc
Standard filter		1pc

OPTIONAL ACCESSORY

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