OPACIMETER
CODE TSM-C11


standard filter (included)



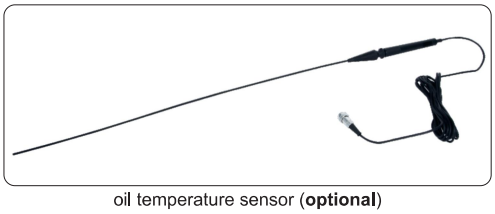
VIDEO

- 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

SPECIFICATION

Measuring range	opacity Ns	0~99.9%
	light absorption coefficient K	0~16.0m^{-1}
	rotary speed	300~8000rpm
	oil temperature	0~120°C
Resolution	opacity Ns	0.1%
	light absorption coefficient K	0.01m^{-1}
	rotary speed	1rpm
	oil temperature	1°C
Accuracy	opacity Ns	±2%
	light absorption coefficient K	±0.05m^{-1}
	rotary speed	±1%
	oil temperature	±2°C
Warm-up		15min
Effective length of optical path		215mm
Equivalent length of optical path		430mm
Environment	temperature	5~40°C
	relative humidity	5~95%RH
Power supply		AC220V, 50Hz
Dimension (L×W×H)	control unit	370×280×220mm
	measurement unit	435×230×360mm
Weight	control unit	5.5kg
	measurement unit	6.5kg


speed adaptor (**optional**)


oil temperature sensor (**optional**)

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

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