

## [ Specification ]

### 1. Smoke Opacity Meter

<b>Model</b>	AUTOChek Portable Smoke
<b>Part no.</b>	PS-19
<b>Measuring Item</b>	Smoke Opacity, Optical density(K-value : Scale range from 000 to 16.06m <sup>-1</sup> )
<b>Measuring principle</b>	Partial flow light transmittance
<b>Light source</b>	Green LED (565nm)
<b>Detector</b>	Photodiode
<b>T tube size</b>	Length : 215mm (±0.5mm), In Diameter 21mm
<b>Path length</b>	215mm
<b>Measuring range</b>	Opacity : 0% ~ 100% / optical density : 0 ~ 16.06m <sup>-1</sup>
<b>Resolution</b>	0.1%
<b>Accuracy</b>	Opacity : < 0.2% abs 1% rel
<b>Response time</b>	< 0.5 ± 0.015 sec.
<b>Physical response</b>	Less than 0.2 sec. ( periodic response )
<b>Filter</b>	2 <sup>nd</sup> Vessel filter ( 1sec. )
<b>Warm up time</b>	Less than 5 min.
<b>T tube temperature</b>	80°C
<b>Pressure difference</b>	Less than 0.70 kPa

### 2. RPM Specification

#### 1) RPM

<b>Model</b>	CAP 8512
<b>Measuring principle</b>	Battery
<b>Measuring range</b>	600 ~ 9,999 RPM
<b>Resolution</b>	10 RPM

#### 2) RPM

<b>Model</b>	KS-RPM DUAL
<b>Measuring principle</b>	Phanamagnetic
<b>Measuring range</b>	0 ~ 8,000 RPM

<b>Resolution</b>	1 RPM
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3. Sampling

<b>Probe</b>	Material : SUS-304 Length : 400 mm In diameter : 10 mm Out diameter : 22 mm
<b>Sample hose</b>	Material : Silicone Length : 1150 / 1500 / 2000 / 2500 / 3800 mm In diameter : 12 mm Out diameter : 22 mm

Display, Input

<b>Display</b>	7" touch screen( analyzer ), 10.1" touch screen (Window tablet PC)
<b>Print</b>	Thermal printer, Optional ink jet or laser jet printer
<b>PC communication</b>	Bluetooth
<b>Input</b>	Tablet PC or key board, mouse

4. Environmental

<b>Smoke opacity meter</b>	temperature : -0 ~ 50°C
	Humidity : 0 ~ 90% RH

5. Power

<b>Power</b>	DC 12V ~ 24V, AC 220V 50/60Hz
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6. Size, Weight

<b>Size</b>	W : 392mm / L: 406mm / H : 190mm
<b>Weight</b>	Approx. 7Kg