

SMOKE OPACITY METER COMPOSITION



- ① OIL TEMP. SENSOR [OPTION]
- ② POWER CORD
- ③ RS232C CABLE
- ④ RPM SENSOR (BATTERY TYPE)[OPTION]
- ⑤ BOLT
- ⑥ PROBE & HOSE



HD-410

DIESEL SMOKE OPACITY METER

SPECIFICATION

Model	HD-410							
Measu. ITEMS	Smoke opacity, Smoke Density, RPM(option)							
Light Source	Green LED(565nm)							
Detection	Photodiode							
Shell Length & Inside.Diam.	Length : 215mm , Inside diameter : 21mm							
Shell Tempur.	Maintain constantly about 80							
Measuring range	Smoke	0.0~100.0%	Light	0.00~21.42m-1	RPM	0~8000rpm	OIL	0~150
Resolution		0.1%		0.01m-1		10rpm		1
Display		4digit 7segmentLED		4digit 7segmentLED		4digit 7segmentLED		4digit 7segmentLED
Repeat	Within 1%							
Precision	Within ±1% (RPM :±80rpm)							
Responding time	0.5second(90%)							
Smoke detecting speed	60 times per a second							
Display of smoke density	4 times per a second							
Data dispatch	RS232 Method, 4 times per a second (Ref. Protocol)							
Warming up time	About 6 minutes							
Using filter	0.5second Besel low pass digital filter							
Electricity source	220V AC / 110V AC 60Hz							
Expendig Wattage	About 100W							
Proper temperature	0~40°C							
Size	400(W) x 170(D) x 200(H) mm (excluding prop)							
Weight	About 5kg							
Probe length	760mm							
Probe inside diam.	Inside diameter: 10mm							
Option	Upgrade DUAL TYPE RPM : Check more accurate RPM by Vibration & Sound sensor / PRINTER							
Supplied Accessory	Probe, Electric code, Manual							