

Emissionmaster SGA400

Emission tester



Application

- ☐ Check-in
- ☐ Repair and maintenance
- ☐ Testing
- ☐ General inspection

Description:

- ☐ Gas analyzer incl. Lambda measurement
- ☐ With printer (thermal printer)
- ☐ 7 m hose and probe in stainless steel
- ☐ Power cable
- ☐ Aqua sense:
Protects the optical bench from being damaged of liquids if those would enter the analyzer
- ☐ Fast warm up time:
The warm up time of the optical bench is less than 10 seconds and full accuracy is reached within 2 minutes of running
- ☐ Optical IR bench:
Solid state detector, OIML class 00 with latest technologies and highest accuracy available
- ☐ Upgrades:
New firmware can be downloaded via USB. Much quicker and more reliable than earlier versions
- ☐ Measurement:
Both accuracy and resolution are improved comparing with precursor
- ☐ Reliability: 12 months calibration intervals

Versions:

- ☐ Analyzer for measurements of petrol and LPG driven vehicles

Options:

- ☐ **Emissionmaster SST100**
- ☐ OBD scanner
- ☐ Hand terminal with LCD display
- ☐ Calibration gas
- ☐ Mobile stand
- ☐ RPM sensor via battery system or piezo electronic system with 6 mm clamp
- ☐ Oil temperature sensor
- ☐ Option NOx



Scan the QR-Code
for detailed product information.

Further Information on
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Technical Data

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| Measureable gases | CO, HC, CO ₂ , O ₂ |
| Accuracy class | 0 (OIML) |
| Ready to measure | <10 sec. |
| Flow | min. 5,5 l/min, nominal 6,5 l/min |
| CO - Measurement range / Measured value resolution | 0 - 10 % / 0,01 |
| HC - Measurement range / Measured value resolution | 0 - 15000 ppm / 1 |
| CO ₂ - Measurement range / Measured value resolution | 0 - 20 % / 0,01 |
| O ₂ - Measurement range / Measured value resolution | 0 - 25 % / 0,01 |
| On-board voltage | 10-30 VDC (with transformer) |
| Power supply | 100-240 VAC, 50-60Hz |
| Dimensions (L x B x H) | 400 mm x 240 mm x 260 mm |
| Weight | 5.3 kg |



RPM via battery kit



Remote control with LCD display



Emissionmaster SST100

Technical data SST 100

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|---|--|
| Measurement range turbidity (Range / Resolution) | 0-99,9% / 0,1% |
| Absorption coefficient (range / resolution) | 0-16.06 m-1 / 0,01 m-1 |
| Optical path length | 215 mm corrected to 430 mm according to ISO 11614 |
| Warm-up time | 3 min |
| Detector / light source | Silizium photodiode / green LED 565 nm |

Emissionmaster SST100:

- ☐ Smoke analyzer for diesel vehicles
- ☐ Light absorption partial flow opaciometer
- ☐ Upgrade kit for Emissionmaster SGA400
- ☐ Vehicle test time is less than 3 minutes
- ☐ Two test programs included
- ☐ Automatic zeroing
- ☐ Linearity test
- ☐ Diesel smoke opacity is measured in smoke density % (also known as Hartridge HSU units) as well as in absorption coefficient k (m-1).
- ☐ The readings of the k and % opacity values are displayed simultaneously.

Versions:

- ☐ Upgrade set
- ☐ 1,4 m silicone hose with stainless steel probe