EMISSIONS

SAMPLING
SOLUTIONS

MEGA SYSTEM

CALIBRATION
& METROLOGY

ASTER SERIES

NEW

- Constant flow environmental sampling

- Automatic isokinetic sampling

- 7" Display touch screen

- Sealing electrovalve

- Ethernet port

- Automatic flow regulation

- Powered by mains and/or battery
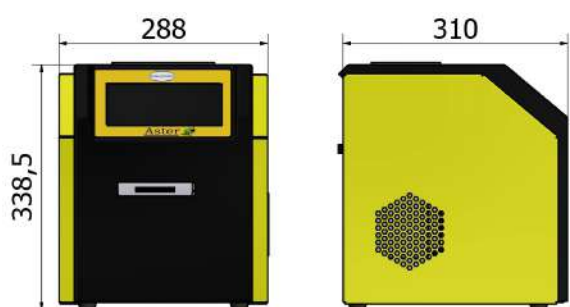

CARE FOR THE
ENVIRONMENT

ASTER SERIES

The ASTER environmental sampling series was designed for sampling emissions in accordance with current legislation. The entire series may be connected to the Isocheck SRB regulator, as well as to the Lotus, allowing the operator to carry out fully automatic isokinetic sampling in accordance with the regulations of UNI EN ISO 16911-1 and UNI EN 13284-1.

ASTER is also equipped with a 7" touchscreen display allowing for easy and comfortable set up and data revision. Through the display, it is possible to verify the sampling data, visualize its process (textually or via graphics), manage the integrated registry and carry out diagnostics.

As usual, flow monitoring, regulation, and compensation are completely AUTOMATIC. The pump guarantees high-precision flow regulation throughout the full range of functions. The high flow pump (> 600 mmHg) paired with the electronic management and monitoring system, permits maintenance of constant flow during the entire sampling period and automatic compensation for variations caused by load loss due to filter clogging.

Whenever an alarm situation arises, (failure to maintain constant flow, loss of power, etc), it is recorded and flagged as an anomaly. The dry gas volumetric meter has a precision of ± 2%. An electronic sensor detects the sample air temperature at the monitor intake for the subsequent normalization of volumes calculation. The reduced size and weight of all the models, facilitate portability even in hard to access areas. With its dual power supply options ASTER may run on mains or by means of its BOX BATTERY (optional).

ASTER

288   310

338,5

TECHNICAL SPECIFICATIONS

MODEL	ASTER 33	ASTER 55
■ Performance		
Pump Type	1,8 m³/h Single-head membrane	4 m³/h Double head membrane
Operating Range	0,3 ÷ 25 L/min	1 ÷ 50 L/min
Maximum vacuum	> 600 mmHg	
Volumentric Meter / Resolution/Accuracy	G 2,5 / 0,2 L / ±2%	
Flow	Automatic regulation	
■ Interface, Data archiving		
Display	7" LCD touch	
Data download	RS232 and USB	
RS232 for SRB and LOTUS connection	✓	
RJ45 Lan Port	✓	
Automatic diagnostic tool	✓	
Integrated registry management	✓	
Tabular and/or graphic Visuals	✓	
■ Environmental Conditions		
Temperature	0 °C ÷ 45 °C - 95% UR	
■ Energy		
Power Supply	230 Vac – 50 Hz	
External Battery	24 Vcc (not incl.)	
■ Characteristics		
Weight	7 Kg	10,5 Kg
■ Options		
Built-in printer	✓	
■ Supplied with		
Technical manual		
Test reports		