

SAMPLING
SOLUTIONS

MEGA SYSTEM

CALIBRATION
& METROLOGY

LOTUS



- Compliant with
UNI EN 15259
UNI EN ISO 16911-1
UNI EN 13284-1
ISO 9096
- 3 independent pressure sensors
- Automatic isokinetic sampling with Lifetek and Aster series
- Handheld and graphic display
- USB for data download
- Long life lithium battery
- Customer, duct, samples and inspections database

	A1	A2	A3	A4
P1	0.11	0.11		
P2	0.50	0.50		
P3	0.89	0.89		
P4				
P5				
P6				
P7				
P8				
P9				
P10				



Lotus is an **automatic processor for isokinetic sampling** that allows to perform isokinetic samplings in collaboration with Lifetek series and Aster.

Lotus is able to manage in autonomy the pump (Lifetek or Aster) by connecting to it with a serial cable (up to 30 meters long), giving the possibility to leave the pump on the ground, simplifying the isokinetic sampling

TECHNICAL FEATURES

• INTERFACE, DATA ARCHIVING	
Display	LCD 4,2"
Keyboard	✓
Interface	USB (via Pen Drive)
	RS232 for automatic isokinetic sampling with Lifetek and Aster samplers
• ENVIRONMENTAL CONDITIONS	
Temperature	0 °C ÷ +45 °C - 95% UR
• ENERGY	
Power supply	Input 230 Vac - 50 Hz Output 12 Vcc - 0,7 A
Battery	Rechargeable internal lithium batteries
Battery charger	Built-in
• FEATURES	
Clients memory	✓
Ducts memory	✓
Samples memory	✓
Inspections memory	✓
Weight	500 g
• OPTIONS	
Auxilliary probes	
• SUPPLY WITH	
Technical manual	
Test report	

• PRESSURE SENSORS			
	Range	Resolution	Accuracy
Differential	0 ÷ 100 mmH ₂ O (0 ÷ 1000 Pa)	0,01 mmH ₂ O (0,1 Pa)	±1%
Static	-1000 ÷ 1000 mmH ₂ O (-10.000 ÷ 10.000 Pa)	1 mmH ₂ O (1 Pa)	± 1%
Barometric	800 ÷ 1100 mbar	0,1 mbar	± 2 mbar
• TEMPERATURE SENSORS			
Thermocouple	Range	Resolution	Accuracy
Type K	0 ÷ 1000 °C	0,1°C	±1%
Type J	0 ÷ 600 °C	0,1°C	±1%
Type T	0 ÷ 400 °C	0,1°C	±1%

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