



**New Star
Environmental LLC**

"Providing Instrumentation for Air Quality"

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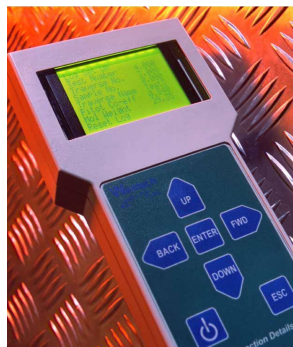
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Profile - Velocity Data Logger

The Profile is a portable handheld microprocessor based instrument that determines the velocity profile in a duct or stack.

The Profile - Velocity Data Logger calculates the flue gas velocity by measuring the temperature and differential pressure in a flowing air or gas stream. It also measures the ambient pressure and temperature and logs all the data recorded on a point-by-point basis.

The Profile not only reads and data logs the temperature and differential pressure of each traverse point - along with ambient temperature and pressure - but can display them as a graph on the screen giving an instant picture of velocity and whether it is suitable for isokinetic sampling.

FEATURES

- Handheld, durable design
- Real time data logging
- Programmable units of measurement
- Easy operation & menu driven
- Displays velocity profile
- Downloads to a PC
- Built-in barometer & ambient temperature measurement
- Large backlit LCD display

The Profile will log up to 21 separate tests and store the point-by-point sample information for up to 4 traverses per test, along with the averages for each traverse. Once collected the information can be displayed on the Profile screen or downloaded to a PC for data processing and report generation.

Data can be retrieved from the Profile's huge memory directly to your computer via a serial port and utility such as Hyper Terminal. Parameters are comma delimited and CR line terminated so they are suitable for spreadsheet applications.

APPLICATIONS

- Determines stack velocity for U.S. EPA, ISO, BS and CEN standards
- Heating & ventilation (HVAC) set-up and service
- Isokinetic particulate sampling
- Industrial processes including environmental efficiency and cost saving through production control

Specifications:

Differential Pressure	0 to 5" water gauge
Resolution	0.001" water gauge at 20°C
Stack Temperature	0 to 999.9°C with 0.1°C resolution; 1000 to 1200°C with 1°C resolution
Ambient Barometric Pressure	0 to 1035 mbar abs at 20°C
Ambient Temperature	32-104°F (0-40°C)
# Tests Logged	21
# Traverses per Test	4
# Points per Traverse	48