Specifications	*FlowFinder®mk2*
air flow range (supply and exhaust)	10..550 m^3/h with zero pressure compensation 551..850m^3/h with calculated compensation
air temperature range	-10..+50 °C
relative humidity range	0..100%
air flow units	CFM, l/s, m^3/h
temperature units	°C or F
uncertainty air flow (at 20 °C)	3% of the reading, with a minimum of 3 m^3/h
uncertainty temperature and humdity	0.3K and 3%RH at 23°C
repeatability air flow measurement	better than 1%, with a minimum of 3 m^3/h
resolution air flow measurement	1m^3/h, 0.1l/s, 0.1CFM
battery capacity	typically 12 hours while measuring at around 75m^3/h
weight	2230g battery pack included
dimensions	ø 260 x 350mm
display	color touchscreen display
dimensions straight hood	230mm x 230mm x 145mm
memory	4GB micro SD card, USB adapter, SD adapter
supported languages	Dutch, English, German

ACIN instrumenten bv

Visiting address
Handelskade 76
2288 BG Rijswijk
The Netherlands

Mail address
P.O.Box 1111
2280 CC Rijswijk
The Netherlands

T +31 (0) 70 3070703
F +31 (0) 70 3070938

E info@acin.nl
W www.acin.nl

Find balance with the FlowFinder

FlowFinder® MK2
made in holland

The FlowFinder®mk2 is the successor of the well known FlowFinder®, the benchmark of air flow measurement for balancing mechanical air supply and exhaust systems.

Introduction
The FlowFinder®mk2 is designed for accurate air flow measurements to balance and commission mechanical ventilation systems.
The measuring principle of the FlowFinder®mk2 is based on the zero pressure compensation method. With this method the resistance of the measuring instrument is compensated for by means of a controlled fan.
Research has proven the zero pressure compensation method to be the most accurate way of measuring air flows of supply and exhaust ornaments of various shapes and sizes.

Operation
The FlowFinder®mk2 has a full color touch screen with an easy interface to set up your measurement and storage options.
Taking measurements with the automated FlowFinder®mk2 is very simple: place the instrument over a supply or exhaust terminal, push the button and wait 10 seconds.
No zero-calibration is needed and the FlowFinder®mk2 automatically detects the flow direction.
The FlowFinder®mk2 adjusts its fan speed until a stable zero pressure drop over the instrument is reached so that the instrument has zero resistance and therefore doesn't disturb the ventilation system. The result of the measurement appears on the touch screen in pre-selectable units l/s, m^3/h or CFM together with the air temperature in °C or F and the relative humidity (0..100%) of the air.

After each measurement these data can be stored together with an identifier (a name of the measuring location with a number, 8 different names can be defined in the set up) to a MicroSD memory card. The data is available in CSV format and enables you to process the information in any spreadsheet program.

Measuring range and accuracy
The FlowFinder®mk2 operation is based on a proven control algorithm ensuring excellent repeatability and stability. The measuring range is 10..550 m^3/h with zero pressure compensation and up to 850 m^3/h with calculated pressure compensation.
The uncertainty of the measurement is less than 3% of the indicated value with a minimum value of 3 m^3/h. The FlowFinder®mk2 is calibrated for both exhaust and supply such that it easily meets the most stringent tolerances for air-balancing.
The fan is driven by a small but strong motor which is powered by a rechargeable 14.4V battery. A fully charged battery will be enough for at least 12 hours of fan operation and measurements at 75m3/h.

Standard delivery
The FlowFinder®mk2 is supplied in a sturdy transport case with one battery pack, a 4GB microSD card with USB adapter and a SD card adapter, a charger for the battery pack, a calibration certificate traceable to primary standards and a manual.

Characteristics
- Large flow range (supply and exhaust)
- Light and easy to handle
- Fast measurement
- Long standby time
- High accuracy

Appliciations
- Air conditioning systems with low terminal resistance
- Small air quantities
- Heat exchange units
- Natural ventilation
- Line and large diffusers (with optional hoods)

Standard equipment:
- Battery charger
- Transport case
- User manual
- Calibration certificate (traceable to primary standards)
- MicroSD card with USB adapter

Options:
- Foldable hood 600x600 mm (other sizes on request)
- Extra battery pack

FlowFinder® MK2
made in holland