

ORBIS BV

Innovation in temperature measurement

Goodbye, toxic mercury

Hello safety,
repeatability
& user friendliness



ORBIS

AirProbe D86

Digital thermometer
for manual distillation testing
by Orbis BV



About AirProbe D86

In short

AirProbe is a compact device that fits onto a PT-100 temperature probe. It communicates over bluetooth with a free AirProbe D86 app for iPad/iPhone that lets users create custom test programs, enter sample ID, monitor and record temperature & time real-time, store up to 20000 test results and do much more.

Built-in barometer

Temperature data are corrected to atmospheric pressure directly from AirProbe's built-in barometer and microprocessor.

Mercury behavior correction

Unique about AirProbe D86 is the dynamic simulation of Mercury ASTM 7 & 8 thermometer behavior, making real-time corrections for emergent stem and lag-time.

Semi-Automatic Distillation

With automatic temperature recording, FBP detection, time control, speed feedback, results validation, LIMS/print options and an app loaded with features, AirProbe D86 upgrades any brand manual distillation unit to a Semi-Automatic Distillation unit.

Ordering information:

PN. 931250 - AirProbe D86

Includes:

PN. 931100 - AirProbe D86 Device

PN. 931200 - PT-100 temp. probe for D86 including calibration report

Contact sales@orbisbv.com

for more information or a quote

Details

PT-100 probe:

- Class A PT-100, max. 450°C
- Unique ID# and internal microchip for storage of 10 calibration offset points
- Calibrated with technical Toluene and Hexadecane. Calibration report included
- Optional extended calibration with multiple points available
- Calibration cable available for third party calibration

AirProbe device:

- Pressure sensor for automatic barometric pressure correction, calibration report included
- Accelerometer for automatic switch on / sleep mode
- Battery: ion lithium. 48 hrs operation - 3 weeks stand by mode. Micro-usb charge cable
- System electronics calibration report included
- Calibration cable available for periodic system calibration

Calibration:

- Calibration offset values are entered in app's calibration menu

App:

- AirProbe D86 app available for any existing iOS device, free on AppStore

Other instruments



AirSTAR CFPP & CPPP

Cold Filter Plugging Point & Cloud & Pour Point



STARDist

Automatic Distillation for D86 testing

