

World's 1st
touch screen
Photometer

NEW 'dop touch'[™]

AEROSOL PHOTOMETER

INNOVATION

DOP SOLUTIONS' PHOTOMETERS have been testing manufactured and installed HEPA and ULPA filters around the world for 25 years, and our latest innovation, the 'dop touch' is the most advanced user interface available in the world today.

The 'dop touch' is packed with every feature you might need to test, record and print the results of your Filter Testing, **strengthening your compliance to ISO14644-3** and all other global cleanroom, containment system, and filter manufacturers Standards.



BENEFITS 'dop touch'[™] FEATURES

- Only touch screen available, easy to operate.
- Fast and easy setup in seconds. Auto calibrates without pressing any buttons or valves.
- Faster and more secure testing - touch screen stays on between tests using built-in battery.
- Simple, light, robust and vibrating **Smartprobe**.
- The most comprehensive test reports, printed to hard drive, paper(A4 or tally) or USB flashdrive.
- **Warranty -TWO years** for 'dop touch', one year for screen, and **LIFETIME** for **Smartprobe**.
- Serviced and calibrated by DOP technicians or DOP trained overseas partners.
- International Language support available.
- Test Certificate design available, with your logos.
- Optical stability measures aerosol **concentrations as low as 1mg/m3**, and penetration to 0.0001%, so PTFE filters and ULPA grades easily tested.
- **Auto calibration** of aerosols from dropdown menu, includes for all common reagents/oil types.
- **Automatic DNS** reports min/max/average challenge concentration. On screen Accept/Reject feature.
- **3 alarms** - 'dop touch' Audio, Smartprobe LED and Vibrator means you won't miss leaks.
- **QWERTY keyboard and touchpen** for easy typing.
- Hazardous sampling optical system as standard, so safe for all pharma,biotech, nuclear application.
- Variable data easily typed on touch keypad/menus.
- **Stainless steel case**-robust and easily cleaned.

PRODUCT

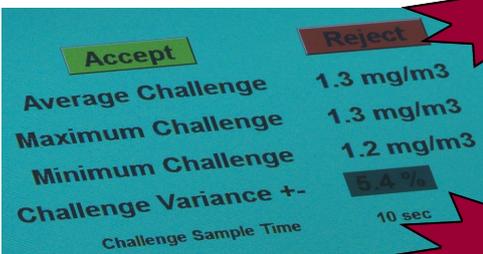
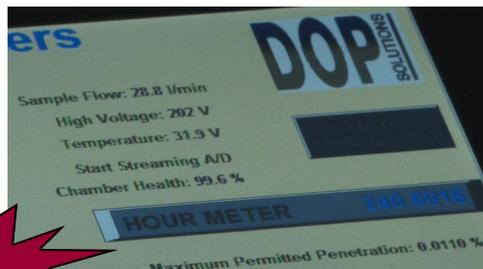
Touch Screen
Aerosol
Photometer

MODEL NUMBERS

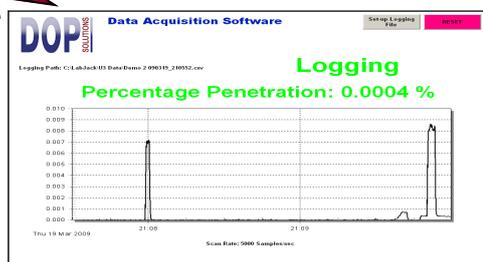
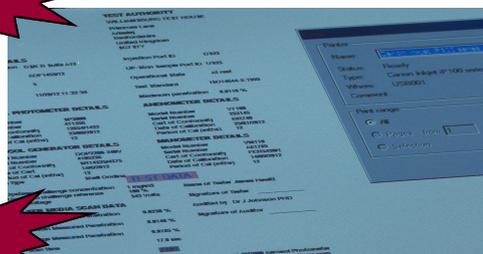
DOP3000



SCREEN SHOTS



SCREEN SHOTS



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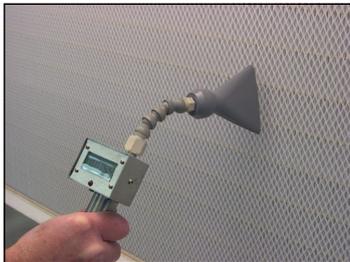
Web:
www.dopsolutions.com

LIFETIME WARRANTY

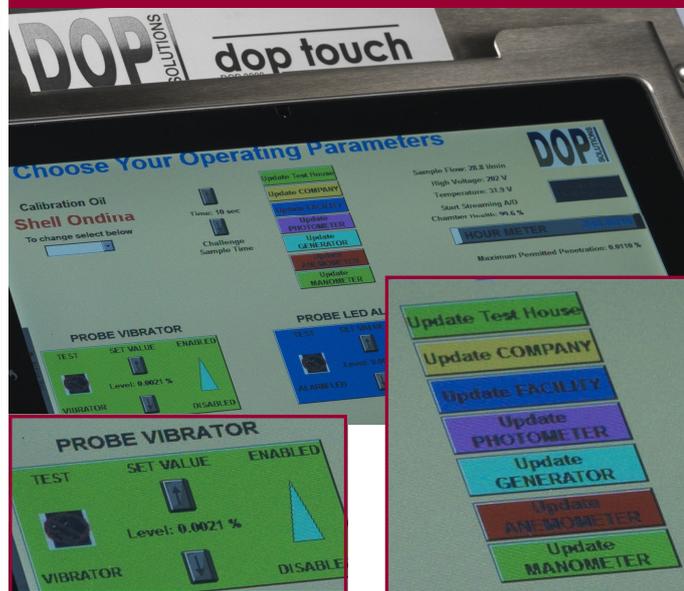
Smartprobe™ DIGITAL FILTER SCANNING PROBE

Advanced scanning probe for 'dop touch' photometers - **articulating multi-directional scanning head** inserted into a stainless steel hand-grip with digital display, visual LED alarm and **handgrip Vibrator**, and 'dop touch' **sampling control** buttons.

Probe and hand-grip/display can be separated for ergonomic scanning or hazardous sampling.



USER DEFINED INFORMATION



CALIBRATION

Calibration is made using the most advanced system available. Aerosols from 100 to 0.0001mg/m³ are generated and every instrument is tested through all 6 measuring decades. Certification is supplied to meet all current international filter testing legislation; BS, EN, ISO and IEST standards.



TRAINING in HEPA FILTER TESTING



ORDERING INFORMATION

1. Photometer only: DOP3000 or 'dop touch'
2. Smartprobe only: Smartprobe
3. Case only: 'dop touch' Peli case
4. Photometer, Smartprobe and case: DOP3000-collection
5. Printer Kit: DOP3000-PK
6. IQ/OQ protocol: 9000-500
7. HEPA filter testing course: PHOT-TRAIN3

TECHNICAL SPECIFICATIONS

Physical Size

32.5cm H x 34.5cm W x 15.5cm D (12.8" x 13.6" x 6.1")

Weight

'dop touch' - 9kg (20lbs). 'dop touch' collection - 18kg (40lbs)

Power

90-250V Universal, at 50 or 60 Hz. Automatically adjusts.

Auto calibration

Self calibration and zero established at startup, fully automatic. Pulse width modulated calibration lamp built-in

Alarm

'dop touch' audio, Smartprobe LED and Vibrator, individually controlled.

Sample flowrate

1 cfm (28 l/min) ±10% with Pulse width modulation pump control

Reagent settings

Ondina, PAO, DOP, DEHS, PEG, Krydol, Mineral oil, Paraffin oil, Corn oil

Measuring Range

0.0001 to 120 mg/m³ Can be set higher for special applications.

Filter Challenge Range

1mg/m³ to 120mg/m³.

Particle size range

0.05 to 1.25 microns particle detected and measured.

Reporting

Real-time on screen graphing, datalogging, min/max/avg report, full A4 Filter Test Certificate

Sends reports to hard drive, printer, tally roll, or USB flashdrive

Printer

USB standard connection, optional serial port adaptor. Any USB printer, or option for multi-part tally roll printer.

Light Source

White light, for high optical sensitivity.

Instrument Performance

Sensitivity: 0.00001 to 100%, 0.01% of readings ≥0.01% to 100%

Accuracy: ≤5 % at each decade calibration point

Linearity: ±0.5%

Leak Detection capability

100% with scanning rates up to 5cm/sec.

Operating Conditions

Temperature 5 - 50°C

Relative Humidity 30 - 80%

Standards Compliance

ISO14644-3

NSF49

IEST

CE

EN61010-1:2010