

CARETECH SPECTROSCAN UV-VIS



PORTABLE UV-VIS SPECTROPHOTOMETER

- FOR:**
- WALL WASH TEST APPLICATIONS
 - WASH WATER ANALISYS



- Extreme user-friendly
- Disposable cuvettes
- Double beam
- Robust

CARETECH SPECTROSCAN UV-VIS

- Double Beam Xenon flash light
- 190 - 1100 nm
- FastStart firmware

TESTMETHODS

- APHA Colour Test
- APHA Co-Pt Standard 500 check
- Chloride Test in water
- Chloride Test in methanol
- HydroCarbon Test (Water Miscibility)
 - Low and High range (0-10 and 10-300 NTU/FTU)
- PTT (Permanganate Time Test)
- TBC (p-tertiary-Butylcatechol in Styrene)
- UV Scan 190-350 nm; Absorbance+ Transmittance
- UVMulti wavelength check IMPCA 004-08

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Technical specifications

- Optical design Dual Beam - Internal reference detector
- Spectral Bandwidth 1,8 nm
- Light source Xenon Flash Lamp
- Detector Dual Silicon Photodiodes
- Wavelength:
 - range 190 -1100 nm
 - accuracy $\pm 1,0$ nm
 - Repeatability $\pm 1,0$ nm
 - Data interval 0,2; 0,5; 1,0; 2,0; 3,0; 5,0
- Photometric:
 - Linear range Up to 3,5 A at 260 nm
 - Display -0,5 - 5,0A; -1,5 - 125% T
 - Accuracy $\pm 0,005A$ at 1,0A
 - Drift $< 0,0005$ A/hr
- Stray Light $< 0,08\%$ T at 220, 340 nm (NaI, NaNO₂)
- Display Graphical with LCD backlight 9,7 x 7,1 cm
- Keypad Sealed Membrane, tactile response keys
- Connectivity
 - USB port A for USB memory drive/stick
 - USB port B for PC connection
 - USB port C for external HP printer
- Dimensions 30 x 40 x 25 cm (W x D x H)
- Weight 8,6 kg
- Power supply 100 - 240 VAC; 50 - 60 Hz

Measured data:

- Direct printer output to simple inkjet printer (HP protocol)
- Data storage on USB stick in Microsoft Excel .csv format

Supplied with:

- Robust case
- FastStart firmware
- 10 mm Cuvette holder
- 50 mm Cuvette holder
- 1 x pair of matching Quartz 50 mm Cuvettes
- 50 x disposable 50 mm Cuvettes
- 20 x disposable 10 mm Cuvettes
- Wall Wash Test Methods, pre-programmed
- USB Stick
- USB to PC cable



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