

# LABORHITS

## Spectrophotometers XD 7000 VIS and XD 7500 UV-VIS

**NEW**



**Automatic test recognition  
with internal barcode reader**

**Premium optical system  
with reference beam**



UV-VIS and VIS spectrophotometers with dual beam optics. The instruments benefit from a barcode test recognition system, over 150 pre-programmed analytical methods and automatic cuvette detection. Analytical quality assurance procedures include checks of the photometer, the total system (including methods) and sample matrix effects. Further functions of the spectrophotometers include measurement of transmission and absorbance, scanning of spectra, kinetics analysis and creation of user-defined methods.

- 20 user profiles possible
- Over 150 pre-programmed analytical methods
- Creation of up to 100 other use-defined methods
- Supports round cuvettes with 13, 16, 24 mm and rectangular cuvettes with 10, 20, 50 mm
- 7" colour display and keypad
- Ports: Ethernet, USB
- Password protection possible

### Specifications XD 7000 VIS // XD 7500 UV-VIS

**Optical System:** grid monochromator with reference beam

**Wavelength range:** 320 - 1100 nm // 190 - 1100 nm

**Bandwidth:** 4 nm

**Wavelength accuracy:**  $\pm 1$  nm on all Holmium peaks

**Wavelength repeatability:**  $< 0.5$  nm

**Photometric range:** -3.3 to +3.3 Abs

**Photometrical resolution / Transmission:** 0.001 Abs / 0.1 %

**Photometric accuracy / repeatability:**  
0.003 Abs below 0.6 Abs; 0.5 % from 0.6 to 2.0 Abs

**Photometrical linearity:**

$< 1$  % up to 2.0 Abs between 340 to 900 nm

**Drift:**  $< 0.005$  Abs per hour after 15 minutes heat up time

**Internal Storage:** 40 MB for approx. 5000 data sets

**Lamps:** Tungsten-halogen-lamp // Xenon flash lamp

**Dimension (W x D x H):** 422 x 323 x 195 mm

**Weight:** approx. 4.5 kg

**Power supply:** 100 - 240 V, 50/60 Hz

**Protection class:** IP30

Type	PK	Cat. No.
XD 7000 VIS	1	6.272 436
XD 7500 UV-VIS	1	6.272 437