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AquaMate 7100 Vis Spectrophotometer

Order code: **0205.AQ7100**



Cena bez DPH

4.790,00 Eur

Price with VAT

5.795,90 Eur

Parameters

Quantitative unit

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Thermo Scientific™ Orion™ AquaMate UV-Vis spectrophotometers include over 260 preprogrammed methods, and are designed to meet the needs of water and wastewater analysis laboratories. AquaMate UV-Vis and Visible-only spectrophotometers incorporate advanced features and functions for ultimate flexibility in operation.

Accuracy (Photometric) $\pm 0.002A$ at 0.5A

Applications Water and Waste Water Analysis

Baseline Flatness $\pm 0.005\text{A}$

Certifications/Compliance CE / TUV

Compartments Accessible from top, front or side Able to accommodate cells up to 100 mm cells Available accessory for test tubes up to 25 mm diameter and 150 mm height Removable, washable sample compartment liner with magnetic placement and hold-down

Connections Single USB-A supports flash memory devices for method and data storage Export data to network or PC via USB, or

Ethernet Print via USB, Ethernet or Wi-Fi USB adaptor available

Depth (Metric) 35.5 cm

Description AquaMate 7100 Vis Spectrophotometer with North America, European and UK Power cord

Detector Type Dual Silicon Photodiodes

Dimensions (L x W x H) 35.5 x 38.5 x 19.5 cm

Display 7-inch color touchscreen, fixed, high definition, 800 x 1280 pixels

Drift $< 0.0010\text{A}/\text{Hr}$ (At 500 nm after 1 hour warmup)

Electrical Requirements External AC to DC converter. Voltage and Frequency (Hz) selected automatically, 100- 240 volts, 50 -60 Hz

Height (Metric) 19.5 cm

Includes

Test Tube Holder for vials and test tube from 12 to 25 mm OD, AquaMate Water Analysis Methods Software, Dust Cover, External Power Supply, North America power cable (NEMA 5-15), European power cable (CEE 7/7), UK Power cable (BS 1362).

Interface Glove friendly touch-screen

Keypad Glove- friendly touchscreen

Lamp Tungsten-Halogen (> 1000 hours Typical)

Length (Metric) 35.5 cm

Noise (RMS at 500 nm 60 consecutive measurements) $\leq 0.00020\text{A}$ at 0A at 260 and 500 nm $\leq 0.00030\text{A}$ at 1A at 260 and 500 nm

$\leq 0.00040\text{A}$ at 2A at 260 and 500 nm

Optical Design Dual beam

Photometric Accuracy Instrument $\pm 0.002\text{A}$ at 0.5A $\pm 0.004\text{A}$ at 1.0A $\pm 0.008\text{A}$ at 2.0A

Photometric Display 3A to +5A

Photometric Range -3A to +3.5A

Photometric Repeatability $\pm 0.001\text{A}$ at 1A measured at 1.0A at 546 nm

Printer Snap-on printer available

Range (Photometric) -3A to +3.5A

Sample Volume (Metric) Multiple

Scan Speed Automatic - up to 1800 nm/min

Spectral Bandwidth 5 nm

Stray Light $< 0.05\%T$ at 340 nm and 400 nm

Type Vis

Wavelength Accuracy ± 0.5 nm

Wavelength Data Interval 0.2 nm, 0.5 nm, 1 nm, 2 nm, 5 nm

Wavelength Range 325 nm - 1100 nm

Wavelength Repeatability $< \pm 0.2$ nm

Wavelength Scan Speed Automatic - up to 1800 nm/min

Weight (Metric) 7.5 kg

Width (Metric) 38.5 cm