










Technical details of Apo-Ident

-  Validated library
-  Simple user interface
-  Automatic report creation
-  Device-internal calibration
-  Patented MEMS grating technology

Technical details	
Spectral range	1,000 - 1,900 nm
Spectral resolution	10 nm
Straylight	< 0.2 %
Measurement time	< 15 s per scan
Detector	InGaAs single detector, uncooled
Software	QuickStep software for acquisition and visualisation of spectra; optional: platform-independent drivers and software development kit for integration into your own application (operating system: Windows 7 SP1, Windows 8.1, Windows 10, Linux (x86/x64/ARM))
Storage temperature	-20 to 60 °C (non-condensing)
Wavelength accuracy	± 1 nm (in entire temperature range)
Wavelength reproducibility	± 0.3 nm (in entire temperature range)
Photometric reproducibility	± 0.15 % (average over 500 scans at 25 °C)
Photometric linearity deviation (max/RMS)	< 2 % / 1.5 %
Light source	Tungsten halogen lamp
Probe/optical input	Diffuse reflection, 23 mm diam. (powder, scattering solid, with transreflectance inset, liquids and pastes)
Thermal stabilisation	No
Dimensions	203 x 279 x 219 mm ³
Weight	5.2 kg
Interfaces	USB Typ B
Power supply	100-240 V~/50/60 Hz/60 W
Operating temperature	15 to 35 °C

Scope of delivery

-  Apo-Ident hardware
-  QuickStep Apo-Ident software
-  5 sample jars, 1 transreflectance inset for liquids, pastes and emulsions, 1 white reference, 1 black reference, 1 distance ring