

Apo-Ident 1

Analysis method	Near infra-red spectroscopy
Spectral range	1000 - 1900 nm
Spectral resolution	10 nm
Diffuse light	< 0,2 %
Measurement time	< 15 s per scan
Detector	InGaAs single detector, not cooled
Wavelength accuracy	± 1 nm (over the entire temperature range)
Wavelength reproducibility	± 0,3 nm (over the entire temperature range)
Photometric reproducibility	± 0,15 % (average of 500 scans at 25 °C)
Photometric linearity	(max/RMS) < 2 % / 1,5 %
Automatic recalibration/unit test	Integrated wavelengths and white standard
Light source	Tungsten-halogen burner
Probe/optical input	Diffuse reflection, measuring spot with 23 mm diameter (powders, scattering solids, with transfectance insert for liquids and pastes)
Dimensions	232 x 210 x 282 mm
Weight	5,2 kg
Interfaces	USB Typ B Slave
Operating temperature	15 - 35 °C
Storage temperature range	-20 bis 60 °C (non-condensing)
Operating voltage	100-240 VAC/50-60 Hz/60 W
Software	QuickStep software for recording and visualising spectra
System requirements	<ul style="list-style-type: none"> • PC with Windows 10 and 11 • min. 4 GB RAM • min. 1.6 GHz Pentium • 0.5 GB storage space



CE The device complies with the following EC directives

- EMV Directive 2014/30/EU
- Low-voltage Directive 2014/35/EU
- RoHS-Directive 2011/65/EU