



Technical details of **APO-IDENT 2**



- ✓ validated library
- ✓ automatic report creation patented
- ✓ MEMS grating technology
- ✓ sustainable due to aiLINK
- ✓ LAN / WiFi
- ✓ fanless



Technical Details

| | |
|---|---|
| Spectral range | 1.000–1.900 nm |
| Spectral resolution | 10 nm |
| Stray light | < 0.2 % |
| Measuring time | < 5 s per scan |
| Detector | InGaAs single detector, uncooled |
| Wavelength accuracy | ± 1 nm (for entire temperature range) |
| Wavelength reproducibility | ± 0.3 nm (for 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, measuring spot with 23 mm in diameter (powder, scattering solid, with transfectance inset, liquids and pastes) |
| Dimensions | 185 x 192 x 220 mm |
| Weight | 2.95 kg |
| Interfaces | 1 x USB 1.1 Typ B Slave |
| Interfaces aiLINK | <ul style="list-style-type: none"> • 2 x USB 2.0 Typ A Host • 2 x USB 3.0 Typ A Host • WiFi 2,4GHz IEEE 802.11ac • 1 x Gigabit Ethernet • 1 x HDMI 2.0 Typ A to 4k/30Hz |
| Operating temperature | 15 to 35 °C |
| Storage temperature | -20 to 60 °C (non-condensing) |
| Power supply | 100-240 VAC/50-60 Hz/60 W |
| Software | QuickStep Apo-Ident software for data acquisition and visualisation; optional: platform-independent drivers and software development kit for integration into your own application (operating system: Windows 10, Ubuntu 20.04) |

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