

## TIDAS L 570 – UV/NIR 1911 DH



## Specifications

Parameter	Specification
<b>Order No.</b>	81 680 20
<b>Wavelength Range</b>	190 – 1100 nm
<b>Spectral Resolution</b>	Approx. 1.5 nm
<b>Wavelength Accuracy</b>	± 0.5 nm
<b>Photometric Accuracy</b>	± 10 mAU
<b>Wavelength Reproducibility</b>	< 0.01 nm
<b>Baseline Drift @ 250nm</b>	0.5 mAU/h *1)
<b>Signal-to-Noise Ratio</b>	> 6000:1 *2)
<b>Included Light source</b>	35W Deuterium/ 7.5W halogen
<b>Number of Diodes</b>	2048
<b>Bench Space Requirements</b>	Approx. 47 x 37 cm

<b>Packaging Dimensions</b>	Approx. 80 x 60 x 60 cm (W x D x H)
<b>Weight</b>	Approx. 12 kg net weight, 18 kg gross weight
<b>Power Supply</b>	85 – 265 VAC / 47 – 63 Hz
<b>Interface</b>	TCP/IP 10/100/100 Mbit/s
<b>Optical Fiber Connection</b>	SMA 905
<b>Illumination</b>	SMA 905
<b>Digital I/O</b>	Standard: 2 x IN / 2 x OUT
<b>A/D Converter</b>	16 Bit
<b>Integrated Computer</b>	10.4" touchscreen, Windows 10, 64GB SSD
<b>Supply Scope</b>	TIDASDAQ 3 software, keyboard, mouse, power supply, manual

We reserve the right to make technical changes without any prior notice.

\*1) Baseline drift will be measured at 250 nm after 10h warm up @ 21°C±2°C ambient temperature according to ASTM E685

\*2) Noise will be measured at 250 nm after 10h warm up @ 21°C±2°C ambient temperature according to ASTM E685, without methanol flow with the following settings:

- Integration time <100ms
- Pixel bunching 2 (2x2.2nm ~ 4nm)
- Integration time x accumulation <2 sec.
- Detector saturation ~ 80%,