TIDAS S 500 – MCS UV/NIR 1910

Specifications

Parameter	Specification
Order No.	81 660 50
Wavelength range	190 – 1000 nm
Spectral resolution	< 3 nm
Wavelength accuracy	< 1 nm
Photometric accuracy	± 10 mAU
Wavelength reproducibility	< 0.01 nm
Baseline drift @ 250 nm	0.5mAU/h *1)
Signal-to-noise ratio	> 10.000 : 1 *2)
Included Light source	On request
Number of diodes	1024
Illumination	SMA 905

J&M Analytik AG
Willy-Messerschmitt-Str. 8
73457 ESSINGEN
GERMANY

T +49 7361 9281-0
F -12
info@j-m.de
www.j-m.de

Bench Space Requirements	Approx. 35 x 32 cm
Packaging Dimensions	Approx. 64 x 57 x 50 cm (W x D x H)
Weight	8 kg net weight, 14 kg gross weight
Power Supply	85 – 265 VAC / 47 – 63 Hz
Interface	TCP/IP 10/100/1000 Mbit/s
Digital I/O	Standard: 2 x IN / 2 x OUT
A/D converter	16 Bit
Optical Fiber connection	SMA 905
Supply scope	Power supply, RJ 45 patch cable, 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%,