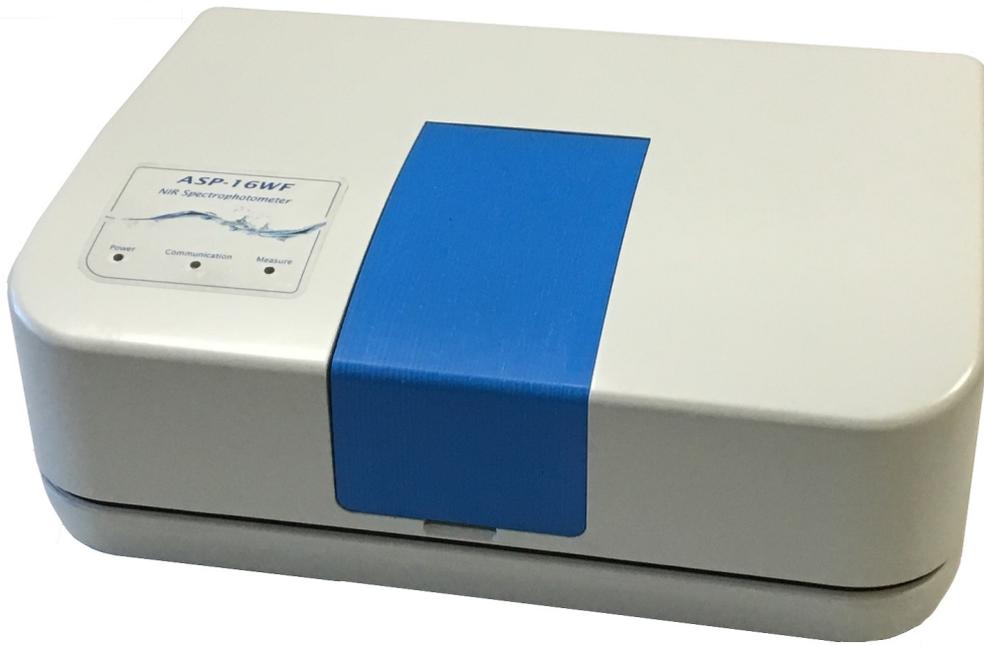


aquagram

Aquaphotomics NIR Spectrophotometer

Model ASP-16WF



Features:

- Water quality and water functionality evaluation;
- Bio and aqueous solution monitoring and quality evaluation;
- Milk freshness, milk origin authenticity evaluation;
- Disease diagnosis using urine, blood, milk spectra;
- Bacteria identification, bacteria growth phase prediction;
- Yogurt fermentation monitoring and stage identification;
- Bio molecule (protein, sugar etc.) isomer identification;
- Estrus (pregnancy) detection using spectra of urine or milk.

Different cuvette holders could be attached (optional):

- probe for bioreactor process monitoring;
- ceramic treated water evaluation.

Technical Specification:

Specifications are subject to change notice.

Measurements:	Transmittance (%), Absorbance (Abs), Concentration (Conc)
Optical System:	0 / 180° transmittance
Wavelength Range:	Water absorbance bands in the range of 600 ÷ 1000nm
Wavelength Selection:	Automatic
Wavelength Calibration:	N/A
Detector:	Silicon photodiode
Photometric Measuring Range:	0 ÷ 1.5 Abs (up to 3 Abs optional)
Photometric Accuracy:	± 0.005 Abs @1.0 ABS Nominal
Photometric Linearity:	± 0.002 Abs (0 - 1 Abs)
Reproducibility:	± 0.005 Abs (0 - 1 Abs)
Sample Cell Compatibility:	Cuvette, 10, 20 or 50mm light path
Interface:	USB type B
Power Supply:	USB or External Adapter, 6V DC / 1.0A
Operating Temperature:	10 ÷ 40°C
Operating Humidity:	max 80% relative humidity (non-condensing)
Storage Conditions:	-20 ÷ 60°C, max. 80% relative humidity (non-condensing)
Dimensions (L x W x H):	320 mm x 235 mm x 120 mm
Weight:	1.6 kg
Enclosure Rating:	IP54

Contact:

<https://dtk-electronics.com/>