



### SPEKTROFOTOMETRE (Models S-20 Vis & S-22 Uv/Vis)

The S-20 and S-22 are high quality, low cost measurement systems for routine analysis in QC applications, education and training.

- Wavelength ranges: 320 - 1000 nm (S-20)
- 198 - 1000 nm (S-22)
- Bandwidths: 8 nm (S-20)
- 6 nm (S-22) (over UV range)
- In-built wavelength calibration
- Automatic O%T setting during all calibration routines
- Dual display - wavelength & photometric result
- Full interfacing capability (bi-directional RS 232 interface)
- Versatile sampling system
- Simple operation
- Ideal for Routine Analysis
- First quality at affordable prices
- Manufactured under ISO 9000 norms
- CE mark for electromagnetic compatibility



The BOECO Model S-22 has a unique xenon lamp which has the advantage of offering a broad spectral source with extended life. This enables the running costs for the S-22 to be minimised over the lifetime of the spectrophotometer, since there are no deuterium and tungsten lamps to replace.

- Single lamp with guaranteed 3 year life time
- Self calibrating lamp at 3 wavelengths
- 10 times more UV light energy
- Blazed holographic grating

### Specifications

#### **Wavelength:**

Range:

Resolution:

Accuracy

Bandwidth

#### **Absorbance:**

Range:

Resolution

Stray Light

Photometric Accuracy

#### **Concentration:**

Range

Resolution

Units

Factor

Photometric Noise Levels

Photometric Stability

Readout

Outputs

Light Source

Input Voltage

Input Power

Size:

Weight:

### S-20 Vis

320 - 1000 nm

1nm

± 2 nm

8 nm

-0.300 to 1.999 A

0.1 %

<0,5% @ 340 nm

± 1%

-300 to 1999 Concentration

0.1 / 1

ppm, mg/l, g/l, M, %, blank

0 to 999.9, 1000 to 9999

<1%

1%/Hour after warm-up

Custom Liquid Crystal Display

Analog (0 to 1999mV) / RS232 serial port

Tungsten Halogen 20W 12V

115/230V AC -20% +10%

<50W

365(W)x272(D)x166(H) mm

6 kgs

### S-22 UV/Vis

198 - 1000 nm

1nm

± 2 nm

6 nm over UV range

-0.300 to 1.999A

0.1 %

<0.5% @ 340 nm

± 1%

-300 to 1999 Concentration

0.1 / 1

ppm, mg/l, g/l, M, %, blank

0 to 999.9, 1000 to 9999

<1%

1%/Hour after warm-up

Custom Liquid Crystal Display

Analog (0 to 1999mV) / RS232 serial port

Xenon Lamp module

115/230V AC -20% +10%

<50W

365(W)x272(D)x166(H) mm

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