

## Handheld Reflection Spectrometer



The **AvaMouse** is a handheld reflection spectrophotometer that can be easily connected to a computer's RS-232 or USB interface. It has a built-in Xenon flash lamp, with 35 flashes per second, and a miniaturized optical bench with a photodiode array. The **AvaMouse** can be used for reflection measurements in the visible range to determine color of flat surfaces.

It further comes with comprehensive AvaSoft-Color software, enabling you to do colorimetric measurements to determine L\*, a\*, b\*, hue and Chromaticity values. A customer-specific database can be built up in AvaSoft with multiple reference colors, so  $\Delta E$  values can be followed in time-dependent series. The **AvaMouse** comes with a calibrated reference tile, a USB Keyspan adapter and a PS-12V/1.0A power supply.

### Technical Specifications

Wavelength range	380-780 nm
Resolution	5 nm
Measurement aperture	1.5 x 2 mm / 0° geometry
AD converter	12 bits
Illumination	Xenon flash, 35 Hz, 45° geometry
Colorimeter accuracy	dE < 0.3 (averaging = 12)
Measurement speed	0.9 sec (averaging = 12)
Interface	RS-232 or USB
Software	AvaSoft Color, L, a, b, hue, C, X, Y, Z, dE, dL, da, db
Dimensions	130 x 70 x 50 mm / 180 grams