

# WIRELESS COLORIMETER / TURBIDIMETER

Reference : PS-3215



## 6 wavelengths, wireless, robust

The colorimeter / turbidimeter simultaneously measures the absorbency and the transmittance at six different wavelengths.

It can be used to study solution concentrations, chemical reaction rates and more.

The robust colorimeter is also resistant to spills and splashes, ensuring years of use in laboratories.

Calibration is quick and easy, eliminating time wasted during the PW session.

In addition, this sensor functions as a high quality turbidimeter for water quality analysis.

Technical characteristics:

- Wavelengths: 650 nm (red), 600 nm (orange), 570 nm (yellow), 550 nm (green), 500 nm (blue), 450 nm (purple)
- Colorimeter detector ranges: 40 nm for each wavelength
- Absorbency of the colorimeter:  $0 - 3 \pm 0.03 A$
- Useful range: 0.05 - 1.5 A
- Transmittance: 0 - 100%
- Turbidity range: 0 - 400 NTU  $\pm 5\%$  NTU

With its rugged and wireless design, this instrument is ideal for use in the field as well as in the laboratory.

Applications:

- Absorbency versus concentration study
- Determines the concentration of an unknown solution
- Measures reaction rates
- Compares turbidity of water samples from various locations in the field
- Measures the sedimentation rate of a sample
- Measures the formation of a precipitate