

## Micro 950 TURBIDITY METER

The Micro 950 Waterproof Turbidimeter is a portable micro-processor controlled turbidity meter. Multiple measuring ranges are available, covering the range 0.01 to 1000 NTU making the instrument suitable for a wide range of applications including drinking water, and waste waters.

Turbidity is an important measurement, particularly on clean water systems such as natural and drinking water. The test is, however, also widely applied to other systems such as effluents and industrial waters. To provide a precise method of determination, the turbidity is measured using the nephelometric principle. A beam of light is passed into the water sample and the amount scattered by particles present is detected at right angles (90°) to the incident beam.

An important feature of this instrument is the LED IR light source at a wavelength of 850 nm. The use of a near infrared light source is in accordance with the recent British, European and International standards on the determination of turbidity (ISO 7027). Measuring the turbidity at this specific wavelength ensures precision and eliminates any interference from inherent colour in the water.

The meter is simple to calibrate. The display guides the user step-by-step through the calibration process. Four turbidity standards, (0.02, 20, 100, and 800NTU) are included.

The instrument is capable of measuring over 1200 test samples with a single set of 4 AAA alkaline batteries, with a quick, stable response.

Readings are displayed on a large custom LCD together with units, and status codes. The meter is supplied with four primary calibration standards, and 3 empty vials with light shield caps for samples.

### TURBIDITY CALIBRATION

A range of AMCO standards are available for calibrating turbidity meters. These standard solutions are ready to use and are a preferred alternative to formazin standards.

The standards comprise suspended micro-spheres of styrene divinylbenzene copolymer. The standards are supplied in sealed bottles and are dispensed into a turbidity test tube for use. The bottles have a shelf life of 9 months once they have been opened.



### Ordering Information

PT 390 **Micro 950 Turbidimeter**

*Supplied in a rigid carrying case, complete with turbidity standards and full operating instructions.*

PT 391 **Micro 950 Turbidity Standards (Set of 4)**

PT 392 **Replacement sample tubes (Set of 3)**

### Technical Specifications

<b>Range</b>	0.01 - 19.99 NTU at 0.01 NTU resolution 20 - 99.9 NTU at 0.1 NTU resolution 100 - 1000 NTU at 1 NTU resolution
<b>Accuracy</b>	± 2% of reading for 0-500 NTU ± 3% above 500 NTU
<b>Stray light</b>	< 0.02 NTU
<b>Sample volume required</b>	10ml
<b>Power</b>	4 x AAA batteries (incl.)
<b>Size</b>	6.8(w) x 15.5(l) x 4.6(h) cm
<b>Weight</b>	200g

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