

Portable Turbidimeter model 2100Q and 2100Q IS



On-screen assisted calibration and verification saves time and ensures accuracy. With an easy-to-follow interface, complicated manuals are not needed to perform routine calibrations. Single standard RapidCal calibration offers a simplified solution for low level measurements. Up to 500 measurements are automatically stored in the instrument for easy access and backup. Stored information includes: date and time, operator ID, reading mode, sample ID, sample number, units, calibration time, calibration status, error messages and the result. Does not require additional software when used with the optional USB+Power module. All data can be transferred to the module and easily downloaded to your computer with a USB connection. The two-detector optical system compensates for colour in the sample, light fluctuation and stray light, enabling analysts to achieve laboratory-grade performance on a wide range of samples, even under difficult site conditions.

Technical Specifications

Light source	
2100Q	Tungsten filament lamp
2100Q IS	Light-emitting diode (LED) at 860nm
Measuring range	0 - 1000 NTU (FNU)
Accuracy	± 2% of reading plus stray light from 0 to 1000 NTU
Repeatability	± 1% of reading or 0.01 NTU whichever is greater
Resolution	0.01 NTU on lowest range
Stray light	< 0.02 NTU
Signal averaging	Selectable on/off
Reading modes	Ratio turbidimetric determination using a primary nephelometric (user selectable) light scatter signal and transmitted light scatter signal
Data logger	500 records
Power requirement	110-230Vac, 50-60Hz (with Power or USB+Power module) 4 AA alkaline batteries
Operating conditions	
Temperature	0 - 50 °C
Relative humidity	0 - 90 % non-condensing at 30 °C 0 - 80 % non-condensing at 40 °C 0 - 70 % non-condensing at 50 °C
Sample volume	15 ml
Sample cells	25 mm x 60 mm round (borosilicate glass with screw cap)
Dimensions	107 x 77 x 229mm
Weight	527g without batteries

Scope of supply: Instrument, case assembly, 4 AA alkaline batteries, 6 sample cells, STABLCAL ampule kit, silicone oil, oiling cloth, manual.

Cat. No.	Code	Description
TM/55110	2100Q01	2100Q Portable Turbidimeter (EPA)
TM/55112	2100QIS01	2100Q IS Portable Turbidimeter (ISO)
Accessories		
TM/55114	LZV804.99.00001	Power module
TM/55116	LZV813.99.00001	USB+Power module
TM/55120	4397500	Degassing Kit
TM/55122	4397510	Sample Filtration and Degassing Kit
TM/55124	2464105	Gelex Secondary Standards Kit



TM/55112



TM/55122



TM/55124

Notes
