

HORIBA

LAQUA TB220 TURBIDITY METER

Clear Measurements for Clear Insights



excluding the vial
mounting part



Features



Auto Range
Up to 2000 NTU



Large Monochrome
Display with Backlight



PC and Printer
Compatible



ISO 7027, DIN EN 27027
Compliant



Shock and Scratch
Resistant, Non-Slip



Software
Upgradeable



Up to 4 Calibration Points



Simple User Interface



Up to 2000 Data with
Date and Time Stamp



IP67 Rating Dustproof
and Waterproof



Smiley Reading
Stability Indicator



Long Battery Life

Applications



Aquaculture



Environmental
Monitoring



Drinking
Water Treatment



Industrial
Processes



Scientific
Research



Wastewater
Treatment



Specifications

Model	LAQUA-TB220 Turbidity Meter
Range	0.00 to 2000 NTU
Resolution	• 0.00–19.99 NTU • 20.0–199.9 NTU • 200–2000 NTU
Accuracy	• 0.00–1000 NTU: ± 0.02 NTU or $\pm 2\%$ • 1001–2000 NTU: $\pm 3\%$
Repeatability	± 0.02 NTU or $\pm 2\%$
Calibration Points	Up to 4 (selectable 0.02, 20, 100, 800 NTU)
Calibration Standards	Styrene divinylbenzene (SDVB) polymer solution
Principle	Ratiometric turbidity measurement using nephelometric light scatter and transmitted light signals
Compliance	ISO 7027, DIN EN 27027
Light Source	Infrared light emitting diode (860 nm)
Detector	Silicone photodiode
Sample Volume	10 ml
Memory	2000
Real-Time Clock	Yes
Date & Time Stamp	Yes
Auto Shut-Off	Off, 1 to 30 mins
Diagnostic Messages	Yes
Software Upgrade ¹	Yes, PC (USB) cable required
PC Communication ¹	Yes, PC (USB) cable required
Printer Communication ²	Yes, Printer (RS232) cable required
Display	Custom LCD with backlight
Housing	IP67 (Except for inside of sensor unit), shock & scratch resistant, non-slip
Battery Life	2000 measurements*
Power Requirement	4 x AA batteries
Operating Temperature	0 to 50 °C
Dimensions	210 (L) x 110 (W) x 55 (H) mm
Weight	Approx. 510 g (with batteries) / 410 g (without batteries)
Meter Kit	• TB220 Mete • 0.02, 20, 100, 800 NTU standard • Silicone Oi • Clot • 4 Sample Vial • Carrying Cas • Instruction & Quick Manual



Ordering Information

Part No.	Model No. / Description
3201073569	TB220-K TB220 Turbidity meter kit
3201068607	TB220 TB220 Turbidity meter only
3201063378	550-TBP-4 Standard solution set 0.02, 20, 100 & 800 NTU (50ml each)
3201063380	550-TBP-2L Standard solution set 0.02 & 20 NTU (50ml each)
3201063381	550-TBP-2H Standard solution set 100 & 800 NTU (50ml each)
3201067504	TB220-SILICONE OIL, CLOTH SET Set of silicone oil and cloth
3201067927	TB220-VIAL 4SET Set of 4 sample vials
3201068032	TB220-CARRYING CASE Carrying case for TB220
3201068357	TB220-VIAL COVER Vial cover for TB220

* Depends on meter settings

¹ Via PC (USB) cable PN 3201025022

² Via Printer (RS232) cable PN 3200779638



HORIBA Group is certified Quality Management System ISO9001, Environmental Management System ISO14001, and Occupational Health and Safety Management System ISO45001 and operate as Integrated Management System (IMS).