

Technical Data

Instrument model	Turb® 750 IR	Turb® 750 T
Measuring standards	DIN EN ISO 7027-1 (830-890 nm)	US EPA 180.1 (400-600 nm)
Light source	Infrared LED	White light Tungsten filament lamp
Measuring mode	Nephelometric (90° scattered light)	
Display	Backlit graphics display, 160 x 104 Pixels	
Keypad	Easy-to-clean foil keypad with alphanumeric entry option	
Measuring range	0-1100 FNU/NTU	0-1100 NTU
Units	FNU/NTU	NTU
Resolution	0.01 FNU/NTU in the range 0.00-9.99 FNU/NTU, optional 0,001 FNU/NTU < 1 FNU/NTU 0.1 FNU/NTU in the range 10-99.99 FNU/NTU 1 FNU/NTU in the range 100-1100 FNU/NTU	
Accuracy	0.01 FNU/NTU or ± 2% of reading	0.01 NTU or ± 2% of reading, ± 3% in the range 500-1100 NTU
Repeatability	< 0.5% of reading	< 1% of reading
Reading mode	Measurement with Intelligent Reproducibility and Plausibility Check (IRPC) procedure, rapid settlement samples supported by fast response time and IRPC.	
Response time	4 sec	7 sec
Calibration - options	Default 3 points standard calibration, flexible calibration with 2-5 user defined calibration points, QUICKCal	
Calibration protocol and interval setting	yes/yes	
AQS-Support	Calibration protocol, AQA flag, cal flag	
Data storage	2500 data sets with cal protocol, AQA flag	
Sample Identification	Alphanumeric entry via keypad	
Firmware update	via USB	
Interface	RS 232, USB, printer via PC or RS232	
Storage condition instrument	-25...+65 °C (13...149 °F)	
Operating temperature range	+5...+55 °C (41...131 °F) +5...+40 °C (41...104 °F) with power plug connected	
GLP-compliant PC software	Turb® Data	
Dimensions (H x W x D)	ca. 290 x 190 x 80 mm (11.42 x 7.48 x 3.15 inches)	
Weight	1.1 kg	
Calibration standards	Cal.Kit for 3-P standard calibration: long-term stable polymer AMCO® Clear standards, 0.02 - 10.0 - 1000 FNU/NTU	
Vials , sample volume	28 mm diameter vials, min. volume 15 ml, borosilicate glass, phenolic resin cap, PTFE-coated rubber seal. No silicon oil required to cover scratches for measurement procedure!	
Sample conditions	Sample temperature < 70 °C (158°F)	
Power supply	Wide range power supply with plugs for Euro, US, UK and Australia	
Certificates	CE	
Delivery scope	Lab turbidimeter Turb® 750 IR/T, four 1.5 V AA type batteries, wide range power supply, cable USB-A to USB-B mini, six empty 28 mm vials, cap labels for orientation marking, Cal.Kit Turb® 430/750 IR or T, cloth, quick guide, compact operation manual, CD-ROM with extended manual, CD-ROM with Turb® Data PC software, inspection protocol	

Ordering Information

Model	Description	Order No.
Lab turbidimeters		
Turb 750 IR	Turb® 750 IR lab turbidimeter with infra red LED according to DIN EN ISO 7027-1, single instrument with calibration standards set (0.02 - 10.0 - 1000 FNU/NTU), universal power supply 90-250 VAC, six empty vials, PC software Turb® Data	600120
Turb 750 T	Turb® 750 T lab turbidimeter with Tungsten white light according to US EPA 180.1, single instrument with calibration standards set (0.02-10.0-1000 NTU), universal power supply 90-250 VAC, six empty vials, PC software Turb® Data	600130
Turbidity calibration standards		
Kal.Kit Turb® 430/750 IR	Calibration standards set for Turb® 430 IR, Turb® 750 IR and photoFlex® Turb:	600560
	0.02 - 10.0 - 1000 FNU/NTU	
Kal.Kit Turb® 430/750 T	Calibration standards set for Turb® 430 T and Turb® 750: 0.02 - 10.0 - 1000 NTU	600561