

# AL255T-IR with USB-Interface & AL250T-IR

both with infrared light source (EN ISO 7027)



The compact AQUALYTIC® infrared turbidity measuring instruments AL255T-IR & AL250T-IR for fast and accurate on-site analysis. It is measured as provided in EN ISO 7027, the scattered light at an angle of 90°.

The wide measuring range from 0.01 to 1100 TE / F = NTU = FNU with a detection limit of 0.01 NTU allows the use of the device in different areas, from drinking water to wastewater.

Since the measurements are made by means of infrared light, both colored and colorless water samples can be measured. A direct transfer of the measurement results to a PC is through the USB interface AL255T-IR easy to set up. The necessary USB cable is already part of the delivery.

## Accessories

Article	Code
Turbidity standard set T-CAL (< 0.1, 20, 200, 800 NTU)	4194150
Set empty cuvettes, 24 mm ø (12 pc.)	197655
Cleaning cloth for cuvettes	197635
Sample chamber lid	19801100
Battery, 9 V	1950012
Formazin Stock Solution (4000 NTU), 100 ml	194141
Formazin Stock Solution (4000 NTU), 250 ml	194142
USB-cable 1,5 m (only for AL255T-IR)	19 80 25 09

## Highlights

- AL255T-IR: USB-Interface
- Range 0.01 - 1100 NTU
- Measurement with infrared light at an angle of 90°
- Measurement of coloured liquids
- Easy handling
- 600 tests without battery change

## Technical data AL255T-IR

Measurement cycle	approx. 8 seconds
Display	backlit LCD (on keypress)
Optics	temperature-compensated LED and photosensor amplifier in water proof sample chamber, infrared light
Keypad	polycarbonate membrane, splash proof
Power supply	9 V power pack battery
Auto - OFF	automatic switch-off
Interface	Micro-USB
Storage	internal ring memory for 125 data sets
Additional feature	real time clock and date
Range	0,01 - 1100 NTU (Auto-range)
Resolution	0.01 - 9.99 NTU = 0.01 NTU 10.0 - 99.9 NTU = 0.1 NTU 100 - 1100 NTU = 1 NTU
Accuracy	± 2.5 % of reading or ± 0.01 NTU whichever is bigger 500 - 1100 NTU: ± 5 % of reading
Housing	ABS
Dimensions (L x W x H)	190 x 110 x 55 mm
Weight	approx. 0.4 kg
Ambient conditions	Temperature: 5 – 40 °C rel. humidity: 30 – 90%
Approval	CE

## Technical data AL250T-IR

as AL255T-IR but with the following differences

Storage	internal ring memory for 16 data sets
Interface	none

## Delivery Content

**AL255T-IR** turbidity meter as described above, complete with 4 turbidity standards < 0.1, 20, 200 and 800 NTU, battery, cuvettes, warranty information, certificate of compliance, instruction manual in case.

**Order code: 26 60 30-A**

**AL250T-IR** as TB 211 IR but without USB cable

**Order code: 4 26 60 20**