

Operability

Operation	One and two-handed operation for right and left hand
Operate Keys	Touch screen and mechanical operate button
Positioning	4 mechanical pins 3 of 4 pins have to be pressed to execute a reading. Maximum sample curvature $r = 0.4$ m
Ambient Light	A light protection ring at the aperture prevents ambient light to influence measurements. When ambient light is captured, the instrument will display an error message.
Measurement Time	approx. 3 sec.
Accoustic beeper signal	Can be turned on / off by user
LED Indicators	2x LED indicators giving feedback on measurement status & errors
Touchscreen	Resistive touch display with integrated stylus
Auto fire	Can be can be turned on / off by user
Temperature Sensor	Optional - Infrared sample surface thermopile
Operation Temperature	+5°C to +40°C (41°F to 104°F)
Operating Humidity	< 85% non-condensing / 35°C (95°F)
Storage Temperature	0° to +60°C (32°F to 140°F)
Weight	approx. 500 grams (1.1 lbs.)

Electronics

Memory	500 sample readings (1 reading = 31 channels @ 3 angles + 16 characters for sample identification)
Battery	1x Li-Ion Cell (2900mAh) - rechargeable via USB connector
Battery Lifetime	min. 1000 charge cycles (@95% discharge per cycle), Significant higher number of charge cycles at lower discharge levels
Battery Capacity	min. 1000 readings @ measurement interval of 10 sec
Display	Graphic LCD, 320x240 dots, TFT color 2.7" High performance: sunlight legibility; viewing angle > 80°
Data Interface	Standard - USB (Type C) Optional - WiFi (2.4 GHz)

