

## 20 Technical data

### 20.1 Accuracy table

The measurements were carried out with BRAND PD-Tips //.

Distilled water was used as the test liquid.

The nominal volume is the maximum volume printed on the PD-Tip.

The tolerances specified in ISO 8655 are not exceeded.

			Accuracy A* $\leq \pm$ %				Variation coefficient VC $\leq$ %			
			Nominal volume				Nominal volume			
PD-Tip	Volume range	Volume steps	100 %	50 %	10 %	1 %	100 %	50 %	10 %	1 %
0.1 ml	1 $\mu$ l ... 100 $\mu$ l	0.1 $\mu$ l	1.0	1.0	1.6	8.0	0.5	1.0	2.0	12.0
0.5 ml	5 $\mu$ l ... 500 $\mu$ l	0.1 $\mu$ l	0.9	0.9	1.0	5.0	0.3	0.6	1.0	5.0
1 ml	10 $\mu$ l ... 1 ml	1.0 $\mu$ l	0.6	0.9	1.0	5.0	0.3	0.5	0.8	4.0
1.25 ml	12,5 $\mu$ l ... 1.25 ml	0.5 $\mu$ l	0.6	0.6	0.9	5.0	0.15	0.5	0.7	4.0
2.5 ml	25 $\mu$ l ... 2.5 ml	1.0 $\mu$ l	0.5	0.6	0.7	3.5	0.15	0.3	0.6	3.0
5 ml	50 $\mu$ l ... 5 ml	1.0 $\mu$ l	0.5	0.5	0.7	3.5	0.15	0.4	0.7	3.0
10 ml	100 $\mu$ l ... 10 ml	10 $\mu$ l	0.4	0.5	0.7	3.5	0.15	0.5	0.8	4.0
12.5 ml	125 $\mu$ l ... 12.5 ml	5.0 $\mu$ l	0.5	0.5	0.8	3.5	0.15	0.6	1.4	6.5
25 ml	250 $\mu$ l ... 25 ml	10 $\mu$ l	0.5	0.5	0.6	3.0	0.15	0.3	1.0	6.0
50 ml	500 $\mu$ l ... 50 ml	10 $\mu$ l	0.5	0.5	0.5	3.0	0.15	0.4	1.2	9.0

### 20.2 Limitations of use

Operating range *)	15 °C ... 40 °C (59 °F ... 104 °F)
Vapor pressure	Up to 500 mbar
Viscosity	20 mPa s at 50 ml PD-Tip 260 mPa s at 5 ml PD-Tip 977 mPa s at 1.25 ml PD-Tip

\*) Additional temperatures upon request

### 20.3 Materials used

Device	PC/PBT, PP, silicone, glass, PEEK
Tips/flasks	PE/PP (size 0.1 mm LCP/PP)

## 20.4 Battery

Type	Li-ion battery
Capacity	1650 mAh
Voltage	3.7 V
Power	6.11 Wh
Storage	0 °C ... 35 °C
Charging time	Approx. 6 h. depending on whether the device is charged by the power adapter or the charging stand.
Weight	40 g



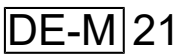


## 20.5 Charging Stand

Input	DC 5.0 V $\text{—}\text{—}\text{—}\text{—}$ 1.4 A, 7.0 W
Transmission	3.5 W, 110 kHz ... 205 kHz

## 20.6 Universal power adapter

Input	AC 100 ... 240 V ~ 50 Hz/60 Hz, 0.5 A
Output	DC 5.0 V $\text{—}\text{—}\text{—}\text{—}$ 1.4 A, 7.0 W

## 20.7 Markings on the product and the battery

Marking	Meaning
	With this mark, we confirm that the product complies with the requirements set out in the EC Directives and has been subjected to the specified testing procedures.
	UKCA: United Kingdom Conformity Assessed With this mark we confirm that the product complies with the requirements specified in the UK Designated Standards.
	The device is marked in accordance with the German Weights and Measures Act and the Weights and Measures Ordinance. Character sequence DE-M (DE for Germany), framed by a rectangle, as well as the two last digits of the year the marking was added.
XXXXXXX	Serial number
	Observe the information provided on the device, the accessories and in the operating instructions.
	Read the user manual.