



TECHNICAL DATA

Force Tensiometer – K100 | Micro Dispenser

Micro Dispenser		DS0810 Single Micro Dispenser	DS0820 Double Micro Dispenser
Dispensing accuracy (10 mL syringe)	Resolution Precision Accuracy	0.1 µL ±3 µL ±5 µL	0.1 µL ±3 µL ±5 µL
Temperature	Ambient temperature	15 – 35 °C	15 – 35 °C
Dosing rates (software-controlled)	10 mL dosing cylinder 25 mL dosing cylinder	5 – 100 mL/min 5 – 250 mL/min	5 – 100 mL/min 5 – 250 mL/min
Measuring methods and functionality	Forward CMC Reverse CMC Maintaining constant liquid level Definition of concentration range Ring method Plate method	yes yes - upper and lower limit yes yes	yes yes yes upper and lower limit yes yes
Functionality	Automatic refill Rinse function Preparation function (filling & degassing) Display	yes 1 – 100 cycles manual / SW-controlled 4 × 20 characters	yes 1 – 100 cycles manual / SW-controlled 4 × 20 characters
Dimensions & weight	Size (W × D × H) Weight	135 × 240 × 260 mm 3.5 kg	2 × 135 × 240 × 260 mm 2 × 3.5 kg
Interfaces	PC Tensiometer	USB RS232	USB RS232
Power	Voltage Power consumption	100 – 240 VAC 47 – 63 Hz max. 10 W	100 – 240 VAC 47 – 63 Hz max. 10 W
Dosing cylinder	Standard size Optional	10 mL 2.5, 5, 25 mL	10 mL 2.5, 5, 25 mL
Materials in contact with the liquid	Valve Fittings & ferrules Tubing Bottle & cap Syringe	PCTFE (Kel-F) ETFE (Tefzel) PTFE or PFA Glass, PTFE Glass, PTFE	PCTFE (Kel-F) ETFE (Tefzel) PTFE or PFA Glass, PTFE Glass, PTFE