



6 Technical data

6.1 Lift and turntable

<i>Stroke path</i>	235 mm
<i>Maximum lift load</i>	Approx. 30 N
<i>Lift rate</i>	Adjustable, 5...25 mm/s
<i>Shift rate</i>	Adjustable, 3...20 angle degrees/sec

6.2 786 Swing Head

<i>Maximum load</i>	Approx. 15 N
<i>Swing rate</i>	10...55 angle degrees/sec
<i>Beaker sensor connector</i>	M8 socket

6.3 Two-channel peristaltic pump

<i>Pump rate</i>	6...90 rpm, adjustable in 15 steps each in both directions of rotation
<i>Typical flow rate</i>	0.3 mL/min at 18 rpm; with standard pump tubing 6.1826.320 The effective flow rate is dependent on contact pressure and type of tubing.
<i>Maximum pressure</i>	4 bar (0.4 MPa)
<i>Conveyable fluids</i>	Clear fluids without solids
<i>Tubing materials</i>	PVC (Tygon® ST), PVC (Tygon® LFL), PP

6.4 Injection valve

<i>Positions</i>	Fill...Inject
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6.5 Interfaces and connectors

<i>Controller connection</i>	USB Upstream Port (9-pin Mini DIN socket) for connecting a computer to the control system of the device.
<i>MSB connectors MSB1...MSB3</i>	Three 9-pin Mini DIN sockets for connecting dosing devices, stirrers, etc.
<i>USB connectors 1/2</i>	Two USB Downstream Ports (Type A sockets), each 500 mA, for connecting Metrohm instruments or USB peripheral devices of other manufacturers.

<i>Stirrer connector</i>	DIN socket
<i>Stirring rate</i>	Rod Stirrer 722/802: 180...3000 rpm Magnetic Stirrer 741: 180...2600 rpm Adjustable in 15 steps each in both directions of rotation
<i>Pump connectors</i>	Two M8 sockets for 772 Pump Unit or 823 Membrane Pump Unit U= 16 ± 1 V, I= ≤ 0.8 A
<i>Swing Head connector</i>	9-pin Mini DIN socket

6.6 Mains connection

<i>Voltage</i>	100...240 V (±10%)
<i>Frequency</i>	50...60 Hz
<i>Power consumption</i>	115 W
<i>Fuse</i>	2.0 ATH

6.7 Safety specifications

<i>Design and testing</i>	According to EN/IEC/UL 61010-1, EN/IEC 61010-2-081, CSA-C22.2 No. 61010-1, Protection Class I
<i>Safety instructions</i>	This document contains safety instructions which have to be followed by the user in order to ensure safe operation of the instrument.

6.8 Electromagnetic compatibility (EMC)

Emission

<i>Standards fulfilled</i>	<ul style="list-style-type: none"> ▪ EN/IEC 61326 ▪ EN 55022 / CISPR 22 ▪ EN/IEC 61000-3-2
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Immunity

<i>Standards fulfilled</i>	<ul style="list-style-type: none"> ▪ EN/IEC 61326 ▪ EN/IEC 61000-4-2 ▪ EN/IEC 61000-4-3 ▪ EN/IEC 61000-4-4 ▪ EN/IEC 61000-4-5 ▪ EN/IEC 61000-4-6 ▪ EN/IEC 61000-4-8 ▪ EN/IEC 61000-4-11 ▪ EN/IEC 61000-4-14 ▪ NAMUR
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6.9 Ambient temperature

<i>Nominal working range</i>	5...45 °C Relative humidity <80% (below 30 °C) Relative humidity <50% (below 45 °C)
<i>Storage</i>	-20...60 °C Relative humidity <95% (below 40 °C) Relative humidity <85% (below 50 °C) Relative humidity <50% (below 60 °C)
<i>Transport</i>	-40...60°C Relative humidity <95% (below 40 °C) Relative humidity <85% (below 50 °C) Relative humidity <50% (below 60 °C)

6.10 Reference conditions

<i>Ambient temperature</i>	25°C (±3°C)
<i>Relative humidity</i>	≤60%

6.11 Dimensions

<i>Width</i>	0.28 m
<i>Height</i>	0.73 m
<i>Depth</i>	0.50 m
<i>Weight (without accessories)</i>	1.858.0010: 15.50 kg 1.858.0020: 15.55 kg 1.858.0030: 15.85 kg
<i>Material</i>	
<i>Housing</i>	Metal housing, surface-treated