

# Multistream sample sequencer

## Model 8811 for Sodimat and 8810 Analyzer



data sheet

- Up to 6 sample streams
- Programmable cycle time between channels
- Programmable sequence between channels
- Individual 0/4–20 mA outputs per measuring channel
- One alarm relay per channel for low/high concentration limit
- Two additional alarm relays for warning and system alarm (e.g. no sample, no reagents)
- If there is no sample available on one channel, the sequencer switches automatically to the next one
- 2 end–point titration for 8810 analyzer (e.g. free and total alkalinity, free and total acidity)
- Remote control

## 8811 electronic unit specifications

<ul style="list-style-type: none"> <li>● <b>Mains</b> 110/220/240 VAC, -15% to +10%</li> <li>● <b>Sequencer/analyzer communication</b> Through RS232 output</li> <li>● <b>Functional controls</b> Display in concentration unit (user programmable - 5 digits) Display of the mV output Display of the sample temperature in °C Display of analyzer status (titration, calibration, cleaning, etc.)</li> <li>● <b>Numeric display</b> 4 digits illuminated, 17.8 mm height</li> </ul>	<ul style="list-style-type: none"> <li>● <b>Alphanumeric display</b> 2 lines of 16 characters, 5.86 mm height</li> <li>● <b>Ambient temperature</b> 0 – 55°C (32–131°F)</li> <li>● <b>Power consumption</b> ; 100 VA</li> <li>● <b>Analog outputs</b> 8 x 0/4-20 mA, 900 ohms max., galvanically isolated: - 6 outputs for concentration value - 1 output for temperature - 1 output for mV raw signal</li> <li>● <b>Alarms</b> 6 high or low limit relays (programmable), normally open contacts, 250 VAC/6A/1500 VA</li> </ul>	<ul style="list-style-type: none"> <li>1 warning relay, normally open contact, 250 VAC/6A/1500 VA</li> <li>1 system alarm relay, normally open or closed contact, 250 VAC/8 A/2000 VA</li> <li>● <b>Digital interface</b> 2 serial interfaces RS232: - One dedicated to analyzer communication with the sequencer - One for external communication (send data to a printer or a computer)</li> <li>● <b>Enclosure</b> Material: ABS Novodur Protection: IP65 Dimensions: 288 W x 144 H x 172 D mm (11.52 W x 5.76 H x 6.88 D in)</li> </ul>
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## 8811 hydraulic unit specifications

	8810 ANALYZER	SODIMAT
<b>SAMPLE</b> Number of sample streams Insolubles Temperature Pressure Flowrate Instrument air Sampling time Sequence	3 (with two measurements per channel) 6 (with one measurement per channel) <1% in weight <1 mm particle size 0 – 60 °C (32–140°F) 0.5–6 bar (7.2–87 psi) 40–300 l/h (10-80 GPH) 4–7 bar (58–101 psi) filtered and sample valves lubricated Programmable: 0–99 minutes Freely programmable sequence between channels 1 to 3 / 1 to 6 (for example 123131123131...)	6 Free of undissolved matter 5–45°C (41–113°F) 0.5–6 bar (7.2–87 psi) 4 l/h (1 GPH) Not needed Programmable delay time for measurement stabilization: 0–99 minutes Programmable measuring time 0–99 minutes Freely programmable between channels 1 to 6 (for example 12235461223546...)
<b>CONNECTIONS AND DIMENSIONS</b> Sample line Instrument air Mounting Dimensions Weight	12 x 14 mm PE tubing 4 x 6 mm PE tubing Panel-mounted 483 W x 753 H x 172 D mm (19.32 W x 30.12 H x 6.88 D in) ; 25 kg (55 lbs)	Fitting for 6 x 1 mm stainless steel tubing No need Panel-mounted 350 W x 530 H x 172 D mm (14 W x 21.2 H x 6.88 D in) ; 10 kg (22 lbs)

## Product listing

PART NUMBER	DESCRIPTION
08811=A=20X2	2 channel 8811 sequencer for 8810 analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=20X3	3 channel 8811 sequencer for 8810 analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=20X4	4 channel 8811 sequencer for 8810 analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=20X5	5 channel 8811 sequencer for 8810 analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=20X6	6 channel 8811 sequencer for 8810 analyzer (complete with connection cable, sample valves, panel-mounted)
X = 1: 110 V	X = 3: 220 V X = 4: 240 V

PART NUMBER	DESCRIPTION
08811=A=30X2	2 channel 8811 sequencer for Sodium Analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=30X3	3 channel 8811 sequencer for Sodium Analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=30X4	4 channel 8811 sequencer for Sodium Analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=30X5	5 channel 8811 sequencer for Sodium Analyzer (complete with connection cable, sample valves, panel-mounted)
08811=A=30X6	6 channel 8811 sequencer for Sodium Analyzer (complete with connection cable, sample valves, panel-mounted)
X = 1: 110 V	X = 3: 220 V X = 4: 240 V

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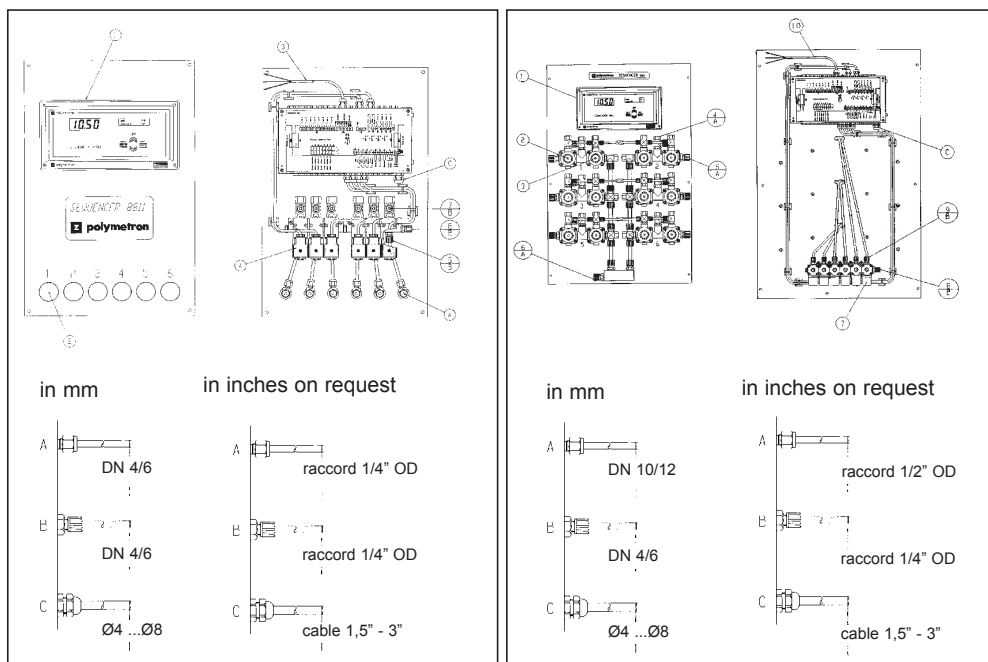
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Distributor

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8811 sequencer for Sodimat

8811 sequencer for 8810 Analyzer

### ■ Main parts of 8811 SEQUENCER for SODIMAT

- 1.- Electronic unit
- 2.- Needle valve
- 3.- Connection cable to SODIMAT analyzer
- 4.- 3/2 way valve
- 5.- Sample inlet
- 6.- Sample outlet for SODIMAT to analyzer
- 7.- Sample outlet to waste

### ■ Main parts of 8811 SEQUENCER for 8810 ANALYZER

- 1.- Electronic unit
- 2.- Sample valve (NO)
- 3.- Sample valve (NF)
- 4.- Sample inlet
- 5.- Sample outlet to waste
- 6.- Sample connection to 8810 ANALYZER
- 7.- Air valve
- 8.- Instrument air inlet
- 9.- Instrument air outlet
- 10.- Connection cable to 8810 ANALYZER