

## Multi-parameter analysers

Multi-parameter Analyzer simultaneously measures Ion, Conductivity, Dissolved Oxygen, Temperature that otherwise requires four different meters. With the appropriate probes installed, it can also simultaneously measure several or one parameters.

### Features:

- Gold Plated BNC
- Multichannel
- Pre-programmed standards
- pH: 11 preprogrammed + 5 user editable
- Conductivity: 3 preprogrammed + 3 user editable
- No interference between electrodes
- Stability algorithm with intuitive indicator
- Hold function
- Selectable resolution
- Range lock
- Capacitive compensation
- Galvanic isolated USB interface
- High Accuracy
- Free software and firmware updates



### *specifications*

- Measurement Channels :2 to 8
- Temperature Channels :2
- pH -2.000...+20.000 pH
- mV  $\pm$ 2000.0 mV
- Ion 0.01 ng/l...100 g/l (C3230 only)
- Conductivity 0...2000 mS/cm
- Resistivity 0...200 M $\Omega$ .cm
- Salinity 0.0...70.0
- TDS 0...100.0 g/l
- Dissolved oxygen 0...60.00 mg/l 0...600%
- Air pressure 600...1300 hPa
- Temperature -5.0...+105.0°C



<b>pH</b>	Range	-10.000...+20.000 pH
	Resolution	0.001 pH
	Accuracy	0.1% ± 1 digit
	Calibration	1...5 points
	Buffers	11 pre-programmed 5 user specified
	Temperature compensation	-5.0...+105.0°C
	ISO-pH	6.000...8.000 pH
	Slope	80.0...120.0%
	Zero point (Eo)	±999.0 mV
	Selectable Resolution	✓
<b>mV</b>	Range	±2000.0 mV
	Resolution	0.1 mV
	Accuracy	0.1% ± 1 digit
	Calibration	1 point
	Selectable Resolution	✓
<b>CONDUCTIVITY</b>	Range (cc dependent)	0...2000 mS/cm
	Resolution (cc dependent)	0.001 µS/cm
	Accuracy	0.5% f.s. of range
	Calibration	1...3 points
	Standards	3 pre-programmed 3 user specified
	Cell constant (cc)	0.07...13 cm <sup>-1</sup>
	Temperature compensation	-5...+105°C or off
	Reference temperature	20°, 25°C
	Temperature coefficient	natural waters (EN27888)
	Range lock	✓
Capacitive compensation	✓	
<b>RESISTIVITY</b>	Range	0...200 MΩ.cm
	Resolution	1 Ω.cm
<b>SALINITY</b>	Range	0.0...70.0
	Reference temperature	15°C
<b>TDS</b>	Range	0...100.0 g/l
	Resolution	0.01 mg/l
<b>DISSOLVED OXYGEN</b>	Range	0...60.00mg/l
	Resolution	0.01 mg/l
	Accuracy	1% ± 1 digit
	Calibration	1 point
	Temperature compensation	0...50°C
	Salinity compensation	0...40
	Air pressure compensation	600...1300 hPa
Selectable Resolution	✓	

<b>TEMPERATURE</b>	Range	-30.0...+130.0°C
	Resolution	0.1°C
	Accuracy	0.1°C
	Calibration	1 point
<b>ION (C303x only)</b>	Range	0.01 ng/l...100 g/l
	Resolution	3 digits
	Accuracy	0.5% ± 1 digit
	Calibration	2...5 points + blank
<b>AIR PRESSURE</b>	Range	600...1300 hPa
	Calibration	1 point
<b>CHANNELS</b>	Measurement	2
	Temperature	2
<b>INPUTS</b>	Measurement	2 BNC, 10 <sup>12</sup> Ω
	Temperature	2x2 banana, for Pt1000
<b>CALIBRATION</b>	Reminder	0...999 h
	GLP	✓
<b>DISPLAY</b>	LCD	240x64 pixels
	White back-light	✓
	Hold function	✓
	Selectable resolution	✓
	Real time clock	✓
	Built-in help	✓
	Languages	English Dutch French German
<b>COMMUNICA-TION</b>	Interface with computer	USB/RS232
	Baud rate	1200...115200 b/s
	Printer	✓
<b>DATA-LOGGING</b>	Data sets	12000 + °C/date/time
	Modes	all
	Manual or timed	✓
	Interval	1...9999 s
<b>SECURITY</b>	Password protection	✓
<b>AMBIENT CONDITIONS</b>	Temperature	0...40°C
<b>POWER SUPPLY</b>	Humidity	0...95%, non condensing
	Mains	100...240 VAC, 50/60 Hz
<b>DIMENSIONS</b>	Low voltage	9...15 VDC
	WxDxH	26x18x9 cm
<b>WEIGHT</b>	Meter	1 kg

Note: Picture just for references





**Order Line:**

EPL 3210 2 channel pH/conductivity/DO meter

EPL 3230 2 channel pH/Ion/conductivity/DO meter

**Kits options**

- EPL 32xxP pH meter kit, glass electrode meter + pH electrode SP20T + 2x50ml pH buffers + 50ml electrolyte
- EPL 32xxPE pH meter kit, epoxy electrode meter + pH electrode SP10T + 2x50ml pH buffers + 50ml electrolyte
- EPL 32xxK EC meter kit, glass electrode meter + EC electrode SK20T + 50ml EC standard
- EPL 32xxKE EC meter kit, epoxy electrode meter + EC electrode SK10T + 50ml EC standard
- EPL 32xxPK pH/EC meter kit, glass electrodes meter + pH electrode SP20T + EC electrode SK20T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard
- EPL 32xxPKE pH/EC meter kit, epoxy electrodes meter + pH electrode SP10T + EC electrode SK10T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard
- EPL 32xxZ Oxygen meter kit meter + DO electrode SZ20T
- EPL 32xxT Complete meter kit, glass electrodes (DO epoxy) meter + pH electrode SP20T + EC electrode SK20T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + DO electrode SZ20T
- EPL 32xxTE Complete meter kit, epoxy electrode meter + pH electrode SP10T + EC electrode SK10T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard+ DO electrode SZ20T
- EPL 32xxX Meter kit without electrodes meter + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard
- SH300 Flexible electrode holder (optional)