

- **Parameters:** pH, ORP, DO, EC, TDS, SAL, Temperature
- **Gold Plated BNC**
- **Pre-programmed standards**  
pH: 1.68, 2.00, 4.00, 4.01 (B504), 6.87, 6.99 (B507), 9.18, 9.21, 9.95 (B510), 10.01, 12.00, 12.45 (at 25°C)
- Conductivity: 1413 µS/cm (B560), 12.88 mS/cm (B561), 111.8 mS/cm (B562) (at 25°C)
- **Stability algorithm with intuitive indicator**
- **Easy to use**
- **Ideal for schools and small laboratories**
- **Portable**
- **Accuracy at a budget**



LabArt C51 is a basic, yet complete and accurate portable meter. It can measure all common electrochemical parameters such as pH, ORP, Conductivity, TDS, Salinity and Dissolved Oxygen.

Intuitive menu system with function keys for fast and easy handling.

Free software can be downloaded from our website to copy the logged values to a computer.

Firmware update for future improvements.



pH/MV Channels	1
EC/TDS/SAL/DO Channels	1
Temperature Channels	1
pH	0.00...14.00 pH
mV	±2000 mV
Conductivity	0...1000 mS/cm (cc dependend)
Salinity	0.0...70.0
TDS	0...100 g/l
Dissolved oxygen	0.00...20.00 mg 0...200%
Temperature	0.0...+100.0°C
Warranty	36 months
Made in Belgium	

Code	Description	Content
<b>C51</b>	mV/pH/EC/SAL/TDS/DO meter	meter only
<b>C51P</b>	pH meter kit, glass electrode	meter + SP20T + 2x50ml pH buffers + 50ml electrolyte + carrying case
<b>C51K</b>	EC meter kit, glass electrode	meter + SK20T + 50ml EC standard + carrying case
<b>C51PK</b>	pH/EC meter kit, glass electrodes	meter + SP20T + EC electrode SK20T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + carrying case
<b>C51Z</b>	Oxygen meter kit	meter + SZ20T + carrying case
<b>C51T</b>	Complete meter kit, glass electrodes	meter + SP20T + SK20T + SZ20T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + carrying case
<b>C51X</b>	Meter kit without electrodes	meter + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + carrying case
<b>C51PE</b>	pH meter kit, epoxy electrode	meter + SP10T + 2x50ml pH buffers + 50ml electrolyte + carrying case
<b>C51KE</b>	EC meter kit, epoxy electrode	meter + SK10T + 50ml EC standard + carrying case
<b>C51PKE</b>	pH/EC meter kit, epoxy electrodes	meter + SP10T + SK10T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + carrying case
<b>C51TE</b>	Complete meter kit, epoxy electrodes	meter + SP10T + SK10T + SZ20T + 2x50ml pH buffers + 50ml electrolyte + 50ml EC standard + carrying case
<b>B504</b>	500ml buffer pH 4.00 @ 25°C	
<b>B507</b>	500ml buffer pH 6.99 @ 25°C	
<b>B510</b>	500ml buffer pH 9.95 @ 25°C	

## ● Specifications

<b>pH</b>	Range	0.00...14.00 pH
	Resolution	0.01 pH
	Accuracy	0.2% ± 1 digit
	Calibration	1...3 points
	Buffers	11 pre-programmed
	Temperature compensation	0...100°C
	ISO-pH	6...8 pH
<b>mV</b>	Slope	80...120%
	Range	±2000 mV
<b>CONDUCTIVITY</b>	Resolution	1 mV
	Accuracy	0.2% ± 1 digit
	Calibration	1 point
	Range (cc dependent)	0...1000 mS/cm
	Resolution (cc dependent)	0.01 µS/cm
	Accuracy	1% f.s. of range
	Ranges	4
	range 1 (CC = 0.1)	0.00...10.00 µS/cm
	range 2 (CC = 0.1)	0.0...100.0 µS/cm
	range 3 (CC = 0.1)	0...1000 µS/cm
	range 4 (CC = 0.1)	0.00...10.00 mS/cm
	range 1 (CC = 1)	0.0...100.0 µS/cm
	range 2 (CC = 1)	0...1000 µS/cm
	range 3 (CC = 1)	0.00...10.00 mS/cm
	range 4 (CC = 1)	0.0...100.0 mS/cm
	range 1 (CC = 10)	0...1000 µS/cm
	range 2 (CC = 10)	0.00...10.00 mS/cm
	range 3 (CC = 10)	0.0...100.0 mS/cm
	range 4 (CC = 10)	0...1000 mS/cm
	Calibration	1 point
	Standards	3 pre-programmed
Cell constant (cc)	0.1/1/10 cm-1 ±30%	
Temperature compensation	0...100°C	
Reference temperature	20° or 25°C	
Temperature coefficient	natural waters (EN27888)	
<b>SALINITY</b>	Range	0...70
	Reference temperature	15°C
<b>TDS</b>	Range	0...100.0 g/l
	Resolution	0.1 mg/l
<b>DISSOLVED OXYGEN</b>	Range	0.00...20.00 mg/l (0...200%)
	Resolution	0.01 mg/l (0.1%)
	Accuracy	1% ± 1 digit
	Calibration	1 point
	Temperature compensation	0...50°C
	Salinity compensation	0...40
	Air pressure compensation	800...1200 hPa
<b>TEMPERATURE</b>	Range	-5...100°C
	Resolution	0.1°C
	Accuracy	0.5°C
	Calibration	1 point
	Inputs	pH/mV/Dissolved Oxygen
<b>INPUTS</b>	Conductivity	BNC
	Temperature	2 banana, for Pt1000
	Interface with computer	USB
<b>COMMUNICATION</b>	Interface with computer	USB
<b>STORAGE MEMORY</b>	Data sets	50
<b>CALIBRATION</b>	GLP	✓
<b>DISPLAY</b>	LCD	160x160 pixels
	White back-light	✓
<b>AMBIENT CONDITIONS</b>	Temperature	0...40°C
	Humidity	0...95%, non condensing
<b>POWER SUPPLY</b>	Low voltage	9...15 VDC
	Batteries (included)	4 x 1.2 V, NiMH
<b>DIMENSIONS</b>	WxDxH	13x18x10 cm
<b>WEIGHT</b>	Meter	600 gr