



# Nahita multi-parameter analyzer model 918

Code KZD001

- The portable multi-parameter analyzer model 918 is a multifunctional instrument that can measure commonly analyzed parameters in aqueous solutions. It is IP65 protected (dust and water resistant), making it suitable for use outdoors and in adverse environmental conditions, such as light rain or splashing water. It finds application in environmental monitoring, water treatment, industrial production, laboratory testing, etc.
- It is supplied with pH, conductivity and dissolved oxygen probes.
- It incorporates five modules that allow the measurement of various parameters:



Module	Parameters
pH	pH, mV, redox potential
Ion Selective Electrode (ISE)	pX, ion concentration
Conductivity	Conductivity, resistivity, total dissolved solids (TDS), salinity, ashes
Dissolved oxygen	Dissolved oxygen concentration, dissolved oxygen current, saturation
Temperature	Temperature

## Characteristics

- High contrast 4.3 inch colour LCD touch screen. English interface.
- Intelligent operating system to manage calibration, users, electrodes, methods, data, records, etc.
- The multiple reading function allows automatic, timed and continuous reading.
- Automatic/manual temperature compensation ensures accurate results.
- The automatic hold function detects and locks the measurement end point.
- Data storage: 1000 sets for each parameter (GLP compliant).
- The data analysis function helps the user to review, compare and recalculate results.
- Support for USB communication.
- The automatic shutdown function effectively prolongs battery life.
- The reset function automatically resets all settings to factory defaults.
- It is fitted with a silicone impact protector.
- IP65 waterproof. Suitable for outdoor field measurements.

OTHERS

[K] MEASURING INSTRUMENTS

Note: The manufacturer reserves the right to modify product specifications and photographs.



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### pH

- 1-8 point calibration, with recognition of standard solutions.
- Selectable pH buffer groups including DIN, NIST, USA, MERK, JIS and GB.
- Support for customization of standard pH groups.
- Automatic electrode diagnostics with display of pH slope and offset.

### Ions

- 1-8 point calibration.
- Selectable unit of measurement, including  $\mu\text{g/L}$ ,  $\text{mg/L}$ ,  $\text{g/L}$ ,  $\text{mmol/L}$ ,  $\text{pX}$ ,  $\text{ppm}$  and  $\text{ppb}$ .
- It supports several measurement modes: direct reading, standard addition, sample addition and GRAN mode.
- More than 10 built-in methods, including  $\text{F}^-$ ,  $\text{Cl}^-$ ,  $\text{Br}^-$ ,  $\text{I}^-$ ,  $\text{NO}_3^-$ ,  $\text{BF}_4^-$ ,  $\text{NH}_4^+$ ,  $\text{K}^+$ ,  $\text{Na}^+$ ,  $\text{Ca}^{2+}$ ,  $\text{Cu}^{2+}$ ,  $\text{Pb}^{2+}$ ,  $\text{Ag}^+$ , etc. Supports user-defined method.

### Conductivity

- The 1-5 point calibration automatically recognizes the standard solutions.
- Adjustable parameters, including cell constant, reference temperature (5/10/15/18/20/25°C), temperature compensation coefficient and TDS factor.
- Options for temperature compensation: none, linear, pure water.

### Dissolved oxygen

- Support for air saturated water or zero oxygen calibration.
- Automatic barometric pressure compensation.
- Manual correction of the salinity factor.
- Selectable pressure unit, including kPa, mbar, torr, atm.



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## Technical specifications

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Model	918	
pH	Range	-2,000 – 20,000 pH
	Resolution	0,001 pH
	Accuracy	±0,002 pH
mV	Range	-2000,00 – 2000,00 mV
	Resolution	0,01 mV
	Accuracy	±0,03 %
pX	Range	-2,000 – 20,000 pX
	Resolution	0,001 pX
	Accuracy	±0,002 pX
Ion concentration	Range	1x10 <sup>-9</sup> – 9.999x10 <sup>9</sup> (mol/L, mmol/L, g/L, mg/L, µg/L, ppm, ppb)
	Resolution	4 significant figures
	Accuracy	±0,3 %
Conductivity	Range	0.000 µS/cm - 3000 mS/cm
	Resolution	0.001 µS/cm (automatic switching according to range)
	Accuracy	±0,5 % (FS)
Resistivity	Range	5.00 Ω·cm – 100.0 MΩ·cm
	Resolution	0.01 Ω·cm (automatic switching according to range)
	Accuracy	±0,5 % (FS)
TDS	Range	0.000 mg/L - 1000 g/L
	Resolution	0.001 mg/L (automatic switching according to range)
	Accuracy	±0,5 % (FS)
Salinity	Range	0,00 – 8,00 %
	Resolution	0,01 %
	Accuracy	±0,1 %
Dissolved oxygen	Range	0,00 – 50,00 ppm
	Resolution	0,01 ppm
	Accuracy	±0,10 ppm
Saturation	Range	0,0 – 600,0 %
	Resolution	0,1 %
	Accuracy	±2,0 %
Temperature	Range	-10,0 – 135,0°C / 14,0 – 275,0°F
	Resolution	0,1°C / 0,1°F
	Accuracy	±0,1°C
Working environment		Ambient temperature: 0 - 40°C      Relative humidity: ≤85%
Power supply		Rechargeable battery. AC/DC adapter, 100-240VAC input, 5VDC output.
Dimensions (LxWxH)		265x97x45mm
Weight		0.6kg

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