HANNA EDGE BLU pH pH/mV meter

1st Bluetooth® pH meter

- **Technologie Bluetooth® Smart technology: no need for a cable between the pH meter and the HALO®probe, low power consumption (BLE) with integrated temperature sensor**
- **Max distance : 10 metres**
- **GLP compliant: date, time, 0-point, slope and buffer solutions used for calibration are stored**
- **Cal-check indication: electrode condition, response time, buffer solutions quality, electrode cleanliness**
- **Internal memory: on demand, at the end point and in automatic storage - transfer via USB stick or PC**
- **Simplified mode: ideal for routine measurements**
- **Standard mode: for more accurate measurements**
- **Intuitive operation**

TIP
See the characteristics of the HANNA EDGE tablet (see page 366)

pH	Range	-2 to 16 (simplified mode)
		-2 to 16 (standard mode)
		pH in mV : ± 1000 mV
	Resolution	0.01 pH (simplified mode)
		0.001 pH (standard mode)
		pH in mV : 0.1 mV
	Accuracy at 25 °C	± 0.01 pH (simplified mode)
		0.002 pH (standard mode)
		pH in mV : ± 0.2 mV
	Calibration	Simplified mode: in 3 points with 5 buffers stored (4.01; 6.86; 7.01; 9.18 and 10.01)
		Standard mode: 5-point with 7 stored buffers (1.68; 4.01 or 3; 6.86; 7.01; 9.18; 10.01; 12.45) and 2 user buffers
	Temperature compensation	Automatic from - 5 to 100 °C (with integrated temperature sensor)*
	Cal-Ckeck	Electrode status, response time and calibration interval control
Temperature	Range	-20 to 120°C
	Resolution	0.1 °C
	Accuracy at 25 °C	± 0.5°C
Memory	Up to 1000 measurements (400 in simplified mode) : 200 measurements on demand; 200 at the end point; 600 in automatic memory	
Connectivity	1 USB port for transfer to USB stick; 1 micro-USB port for charging and PC connection	
Supplied with	PH electrode HI11102 gel electrolyte, glass body, integrated temperature sensor, Bluetooth® smart connection, buffer solutions 4 and 7 in sachets (2 of each), cleaning solution (2 sachets of 25 ml), 5V power adapter and CR2032 battery	
Dimensions / weight	202 x 140 x 12.7 mm / 250 g	
Cat. No.	**054621**	
€ Excl. VAT	**NC -**	

*within the temperature range of the connected probe

Solutions

Cat. No.	Description	€ Excl. VAT
052482	Storage solution for electrodes - 230 mL bottle	**NC -**
052186	Electrolyte solution for double-junction electrodes (4 x 30 ml)	**NC -**
052079	PH 4.01 solution - 25 x 20 ml sachets	**NC -**
052080	PH 7.01 solution - 25 x 20 ml sachets	**NC -**
052081	PH 10 Solution - 25 x 20ml sachets	**NC -**

HALO® Bluethooth®Electrodes

Model	HI 11102	HI 11312	HI 12302	FC 2022	HI 10832	HI 13302	FC 2142	HI 12922	HI 14142
Junction	Ceramic	Ceramic	Ceramic	Open junction	Open	Open	Open	Triple ceramic	Open
Electrolyte	Gel	3.5 M KCl	Gel	Viscolene	Viscolene	Viscolene	Viscolene	Viscolene	Viscolene
Range	0 to 12	0 to 13	0 to 12	0 to 12	0 to 13	0 to 13	0 to 12	0 to 13	0 to 12
Operating temperature	-5 to 80°C	-5 to 80°C	-5 to 70°C	0 to 60°C	0 to 50°C	0 to 50°C	0.0 to 60.0°C	0 to 50°C	0 to 50°C
Temperature sensor	Integrated	Integrated	Integrated	Integrated	-	-	Integrated	-	Integrated
Electrode material	Glass	Glass	PE	PVDF	Glass	Glass	PVDF	Glass	Glass
Uses	General in the laboratory	General in the laboratory	On the field	Dairy products (milk, cheese, yoghurt), semi-solid foods	Sample < 100µl	Test tube	Beer	Soil	Agar measurement
Connection	Bluethooth® smart (Bluethooth® 4.0) range 10 meters								
Battery / Lifetime	CR2032 3V / Approx. 500 hours continuous use								
Cat. No.	**054622**	**054623**	**054624**	**054625**	**523931**	**523930**	**523932**	**523924**	**523918**
€ Excl. VAT	**NC -**	**NC -**	**NC -**	**NC -**	**NC -**	**NC -**	**NC -**	**NC -**	**NC -**