



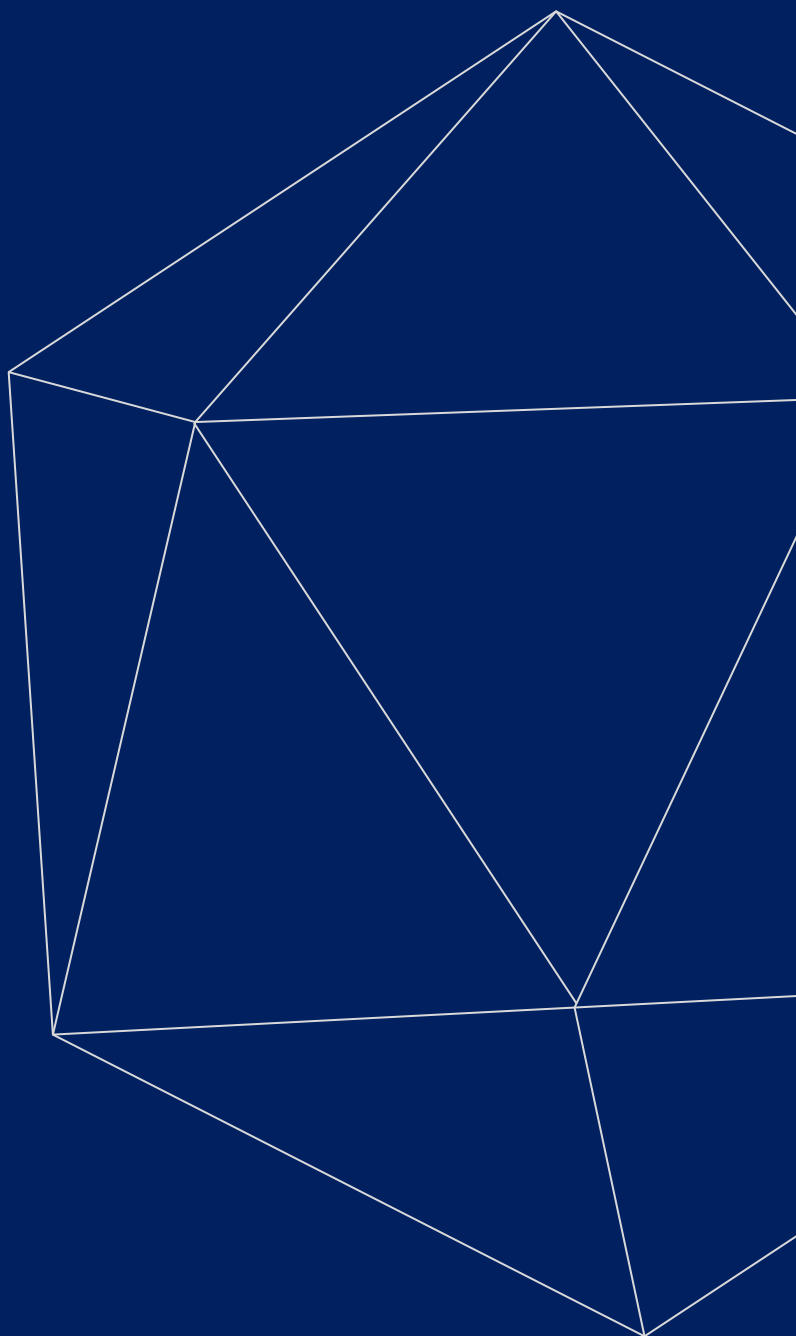
# LABORATORY LINES

## pH METERS



# Kalstein®

A different accompaniment, at your service





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A different accompaniment, at your service

OUR SERVICES

## Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



### Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



### Quick Response

Our work team is always available to response all your consults or questions, in order to support you in any situation.



### #Letsgivemore ♥

Thanks to your purchase, a donation is made to a non-profit foundation that fights against cancer and helps vulnerable communities.



### Technical Support

Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



### Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



### Kalstein Worldwide

With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.





## Portable pH Meter

### Model YR0220A



#### Portable Ph/ORP Meter

Economy portable pH meter, 1 to 3 points calibration, Automatic Temperature Compensation, setup menu contains 7 options, accuracy: 0.01pH.

#### Features:

- ✓ 1 to 3 points calibration with automatic recognition for USA and NIST buffers
- ✓ Automatic electrode diagnosis helps user decide whether to replace the pH electrode
- ✓ Automatic temperature compensation ensures accurate readings over the entire range
- ✓ Auto-Read function senses and locks the measurement endpoint
- ✓ Setup menu allows setting the pH buffer set, number of calibration points, temperature unit, auto-power off, etc.
- ✓ Reset function automatically resumes all settings back to the factory defaults
- ✓ Expanded memory stores or recalls up to 100 data sets
- ✓ USB communication interface for data transfer or connecting a power adapter to meter

#### Accessories:

- ✓ E201-BNC pH electrode
- ✓ TP-10K temperature probe
- ✓ pH4.01/7.00/10.01 buffer solutions
- ✓ Carrying case

#### Optional Accessories:

- |                          |                                  |
|--------------------------|----------------------------------|
| P11 pH Electrode         | For the general applications     |
| P11-LiCl pH Electrode:   | For the non-aqueous samples      |
| P11-HA pH Electrode:     | For the high alkalines samples   |
| P11-NA pH Electrode:     | For the biofuels                 |
| P12 pH Electrode         | For the sample in the test tube  |
| P13 pH Electrode         | For the micro-volume samples     |
| P15 pH Electrode         | For the low conductivity samples |
| P16 pH Electrode         | For the Tris buffers             |
| P18 pH Electrode         | For the slurries and soils       |
| P19 pH Electrode         | For the semisolids               |
| P21 pH Electrode         | For the colloids                 |
| P22 pH Electrode         | For the high temperature samples |
| TP-10K Temperature Probe | For the temperature measurement  |
| pH Buffer Solutions      | 480ml/bottle                     |



#### #Let'sgive more

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## Portable pH Meter

### Model YR0220A



Model	YR0220A	YR0210A	
pH	Range	-2.00-20.00pH	-2.000-20.000pH
	Resolution	0.01pH	0.001, 0.01, 0.1pH, selectable
	Accuracy	±0.01pH	±0.002pH
	Calibration Points	1 to 3 points	1 to 5 points
	pH Buffer Options	USA (4.01/7.00/10.01), NIST (4.01/6.86/9.18)	USA, NIST, DIN, 2 custom buffers
ORP	mV Range	±1999mV	±1999.9mV
	Relative mV Range	—	±1999.9mV
	Resolution	1mV	0.1, 1mV, selectable
	Accuracy	±1mV	±0.2mV
	Calibration Points	—	1 point
Temperature	Range	0-105°C/32-221°F	0-105°C/32-221°F
	Resolution	0.1°C/0.1°F	0.1°C/0.1°F
	Accuracy	±0.5°C/±0.9°F	±0.5°C/±0.9°F
	Offset Calibration	1 point, reading ±10°C	1 point, reading ±10°C
Other Specifications	Temperature Compensation	0-100°C, manual or automatic	0-100°C, manual or automatic
	Stability Criteria	—	Low or high
	Calibration Due Alarm	—	1 to 31 days or off
	Slope/Offset Display	Yes	Yes
	Hold Function	Manual or auto-endpoint	Manual or auto-endpoint
	Auto-Off	30 minutes after last key pressed	10, 20 or 30 minutes after last key pressed
	Memory	100 data sets	500 data sets
	Communication Interface	USB	USB
	Connector	BNC, 3.5 mm jack socket	BNC, 3.5 mm jack socket
	Display	Custom LCD (80×60mm)	Custom LCD (80×60mm)
	Power Requirements	3× 1.5V AA batteries or DC5V power adapter	3× 1.5V AA batteries or DC5V power adapter
	Battery Life	Approximately 150 hours (Turn off the backlight)	Approximately 150 hours (Turn off the backlight)
	Dimensions	170 (L)×85 (W)×30 (H)mm	170 (L)×85 (W)×30 (H)mm
Weight	300g	300g	

### Ordering Information

- YR0220A/YR0220A-1: Meter, E201-BNC plastic body pH electrode, temperature probe, pH buffer solutions and carrying case
- YR0220A/YR0220A-1 (UK): Meter, P11 glass pH electrode, temperature probe, pH buffer solutions and carrying case
- YR0220A-1 (ORP): Meter, E201-BNC plastic body pH electrode, 501 ORP electrode, temperature probe, pH buffer solutions and carrying case



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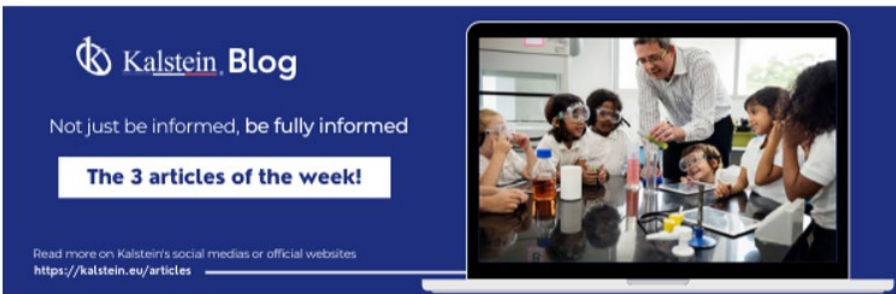
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A microscope is an instrument that allows observing and measuring objects that are too small to be seen with the naked eye. This is achieved through a complex system of lenses and mirrors, which form

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**2**  
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**What is the importance of the laboratory refrigerator?**  
A refrigerator is a device that is one of the most common pieces of laboratory equipment. Its purpose is to maintain, in a controlled environment (refrigerated space), various fluids and substances.

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