



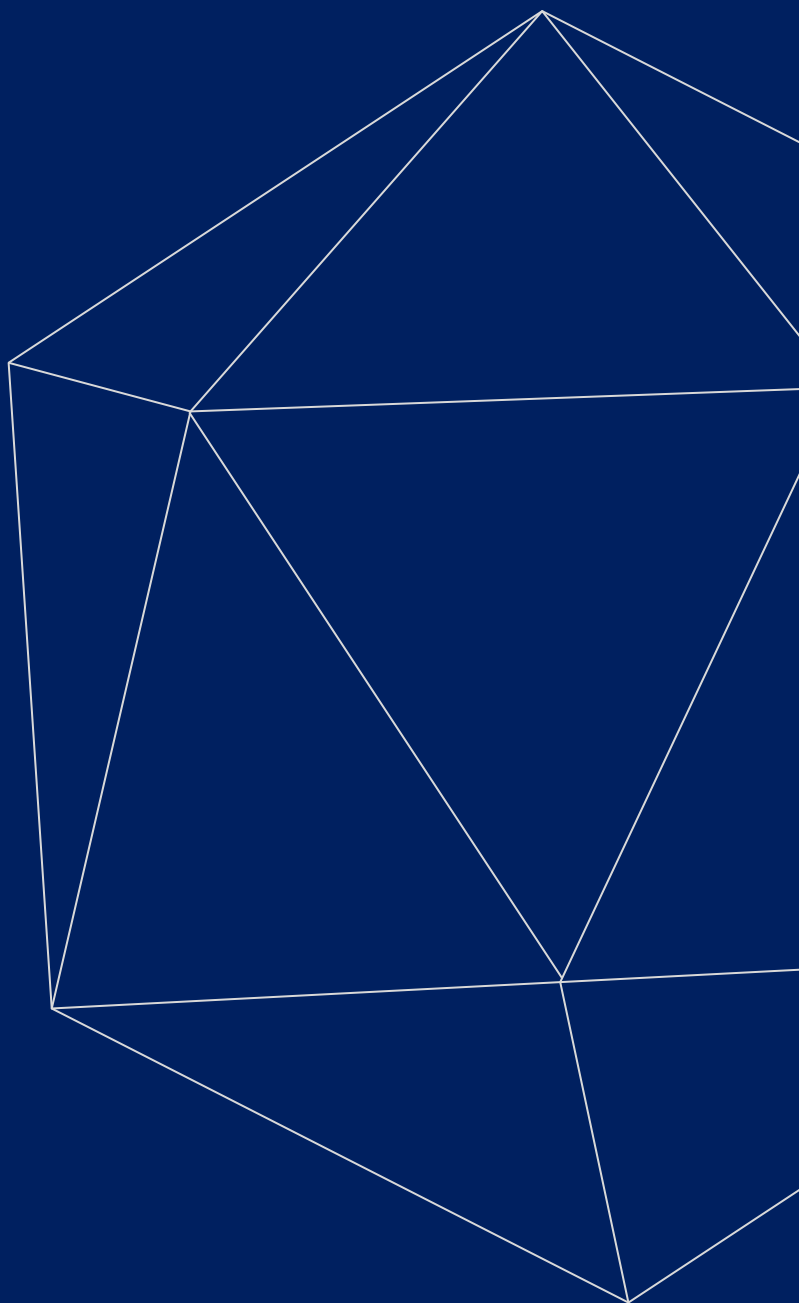
# LABORATORY LINES

## CONDUCTIVITY METER



**Kalstein**®

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



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



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



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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.



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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.



## KALSTEIN® Conductivity Meter

### Benchtop Conductivity Meter

#### Model YR01818



- ✓ **Measurement Parameters:**
- ✓ YR01818A: Conductivity, temperature
- ✓ YR01818B : Conductivity, TDS, temperature
- ✓ YR01818C: Conductivity, salinity, temperature
- ✓ YR01818: Conductivity, TDS, salinity, resistivity, temperature

#### YR01818A Features:

- ✓ 1 to 3 points calibration with automatic recognition for conductivity standards
- ✓ Automatic electrode diagnosis shows the calibration points and factors
- ✓ Selectable cell constant, reference temperature, linear/non-linear and pure water compensation modes
- ✓ Automatic temperature compensation corrects conductivity measurements to the reference temperature
- ✓ Auto-read function senses and locks the measurement endpoint
- ✓ Setup menu allows setting the 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



#### YR01818B/ YR01818C/YR01818 Features

- ✓ 1 to 5 points calibration with automatic recognition for conductivity standards
- ✓ Automatic electrode diagnosis shows the calibration points and factors
- ✓ Selectable cell constant, reference temperature, TDS conversion factor, linear and pure water compensations, seawater and practical salinity measurement modes
- ✓ Automatic temperature compensation ensures accurate readings over the entire range
- ✓ Auto-read function senses and locks the measurement endpoint
- ✓ Calibration due alarm reminds the user to calibrate the meter regularly
- ✓ Auto-power off effectively conserves battery life
- ✓ Setup menu allows setting the number of calibration points, stability criteria, date and time, temperature unit, etc.
- ✓ Reset function automatically resumes all settings back to the factory defaults
- ✓ Expanded memory stores or recalls up to 500 data sets
- ✓ USB communication interface is easy to transfer data to a PC
- ✓ Multi-mode power scheme (battery, power adapter and USB port) ensures the smooth operation of the meter



#### #Let'sgivemore

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Model		YR01818A	YR01818B	YR01818C	YR01818	
<b>Conductivity</b>	<b>Range</b>	0.01~20.00, 200.0, 2000 $\mu$ S/cm, 20.00, 200.0 mS/cm	•	•	•	•
	<b>Resolution</b>	0.001, 0.01, 0.1, 1	•	•	•	•
	<b>Accuracy</b>	$\pm$ 0.5% F.S.	•	•	•	•
	<b>Calibration</b>	1 to 3 points (YR01818A), 1 to 5 points (YR01818B/YR01818C/YR01818)	•	•	•	•
	<b>Calibration Solutions</b>	10 $\mu$ S/cm, 84 $\mu$ S/cm, 1413 $\mu$ S/cm, 12.88 mS/cm, 111.8 mS/cm	•	•	•	•
<b>TDS</b>	<b>Range</b>	0~10.00, 100.0, 1000 ppm, 10.00, 200.0 ppt	—	•	—	•
	<b>Resolution</b>	0.01, 0.1, 1	—	•	—	•
	<b>Accuracy</b>	$\pm$ 1% F.S.	—	•	—	•
	<b>TDS Factor</b>	0.1~1.0 (default 0.5)	—	•	—	•
<b>Salinity</b>	<b>Range</b>	0.00~42.00 psu, 0.00~80.00 ppt	—	—	•	•
	<b>Resolution</b>	0.01	—	—	•	•
	<b>Accuracy</b>	$\pm$ 1% F.S.	—	—	•	•
<b>Resistivity</b>	<b>Range</b>	0.00~20.00 M $\Omega$	—	—	—	•
	<b>Resolution</b>	0.01, 0.1	—	—	—	•
	<b>Accuracy</b>	$\pm$ 1% F.S.	—	—	—	•
<b>Temperature</b>	<b>Range</b>	0~105 °C/32~221 °F	•	•	•	•
	<b>Resolution</b>	0.1 °C/0.1 °F	•	•	•	•
	<b>Accuracy</b>	$\pm$ 0.5 °C/ $\pm$ 0.9 °F	•	•	•	•
	<b>Offset Calibration</b>	1 point, reading $\pm$ 10 °C	•	•	•	•
<b>Other Specifications</b>	<b>Temperature Compensation</b>	0~100 °C, manual or automatic	•	•	•	•
	<b>Temperature Coefficient</b>	Linear (0.0~10.0%/°C), non-linear, pure water	•	•	•	•
	<b>Reference Temperature</b>	20/25 °C	•	•	•	•
	<b>Cell Constant</b>	K = 0.1, 1, 10	•	•	•	•
	<b>Stability Criteria</b>	Low or high	—	•	•	•
	<b>Calibration Due Alarm</b>	1 to 31 days or off	—	•	•	•
	<b>Hold Function</b>	Manual or auto-endpoint	•	•	•	•
	<b>Auto-Off</b>	30 minutes after last key pressed (YR01818A)	•	—	—	—
		10, 20 or 30 minutes after last key pressed (YR01818B/YR01818C/YR01818)	—	•	•	•
	<b>Memory</b>	100 data sets (YR01818A), 500 data sets (YR01818B/YR01818C/YR01818)	•	•	•	•
	<b>Communication Interface</b>	USB	•	•	•	•
	<b>Connector</b>	6-pin nimi-DIN, 3.5 mm jack socket	•	•	•	•
	<b>Display</b>	Custom LCD (80 × 60 mm)	•	•	•	•
<b>Power Requirements</b>	3 × 1.5V AA batteries or 5V DC power adapter	•	•	•	•	
<b>Battery Life</b>	Approximately 150 hours (turn off the backlight)	•	•	•	•	
<b>Dimensions</b>	170 (L) × 85 (W) × 30 (H) mm	•	•	•	•	
<b>Weight</b>	300 g	•	•	•	•	

### Ordering Information

- ✓ YR01818A/ YR01818AB/ YR01818AC/ YR01818 (for general water samples): Meter, CON-1 conductivity electrode, temperature probe, standard solutions, electrode clip, carrying case
- ✓ YR01818A/ YR01818AB/ YR01818AC/ YR01818 (for low conductivity liquids): Meter, CON-0.1/CON-1 conductivity electrodes, temperature probe, standard solutions, electrode clip, carrying case
- ✓ YR01818A/ YR01818AB/ YR01818AC/ YR01818 (for high conductivity liquids): Meter, CON-1/CON-10 conductivity electrodes, temperature probe, standard solutions, electrode clip, carrying case



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