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# LABORATORY SECTOR DISSOLVED OXYGEN METER



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#### KALSTEIN® Dissolved Oxygen Meter Benchtop pH / Conductivity/ DO Meter

Model YR06385



#### **Product Description:**

- ✓ 7-inch colored capacitive touch screen with high resolution (1024\*600) and high sensitivity.
- ✓ Built-in microprocessor chip has Intelligent functions such as automatic calibration, ATC, data storage, clock display, USB output, function settings, wireless printing, and self-diagnosis information, etc.
- ✓ It supports wireless Bluetooth printing and PC connection. Real-time data transfer to mobile phone by Bluetooth is optional.
- ✓ Smart electrode status display to ensure accurate use.
- Can store 1000 sets of test data, which can be saved and transferred to USB memory stick and opened with Excel.

#### **Conductivity Mode:**

- ✓ Adopt advanced conductivity measurement technology, with conductivity electrode (k=1), it can meet measuring accuracy requirement for range of 0.5µS/cm~200mS/cm
- Can switch among conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- ✓ Auto recognition of 8 conductivity standard solution with 2 kinds of options: Europe & USA, and China.

#### **DO Mode:**

- $\checkmark$  It has functions of ATC, auto salinity compensation and auto pressure compensation.
- ✓ Polarographic DO electrode, short polarization time (3-5mins)



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#### **KALSTEIN® Dissolved Oxygen Meter**

#### **Benchtop pH / Conductivity/ DO Meter**

Model YR06385

Model		YR06385
рН	Measurement range	(-1.999 ~ 19.999)pH
-	Resolution	0.1/0.01/0.001 pH
	Accuracy	Electrode: ±0.002 pH, Meter: ±0.01 pH
	Input current	≤1×10-12 A
	Input impedance	≥3×1012 Ω
	Stability	±0.002 pH/3h
	Temperature compensation	(0 ~ 100)°C, auto or manual
mV	Measurement range	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	0.1 mV
	Accuracy	±0.03% FS
Conductivity	Measuring range	Conductivity:
		(0.00~20.00)µS/cm
		(20.0~200.0)µS/cm
		(200~2000)µS/cm
		(2.00~20.00)mS/cm
		(20.0~200.0)mS/cm
		(200~2000)mS/cm(K=10)
		TDS:(0 ~ 100)g/L
		Salinity:(0 ~ 100)ppt
		Resistivity:(0 ~ 100)MΩ·cm
	Resolution	0.01/0.1/1µS/cm; 0.01/0.1mS/cm
	Accuracy	Electrode: ±0.5% FS, Meter: ±0.8% FS
	Temp. compensation range	(0 ~ 50)°C, auto
	Electrode constant	0.1/0.5/1/5/10/50/100 cm-1
	Reference Temp.	25°C,20°C,18°C
DO	•	(0 ~ 20.00)mg/L(ppm) (0 ~ 200.0)%
bo	Measuring range Resolution	
		0.1/0.01 mg/L(ppm) 1/0.1 % Electrode: ±0.10 mg/L, Meter: ±0.40 mg/L
	Accuracy	
	Response time	≤30s (25°C, 90%response)
	Residual current	$\leq 0.1 \text{ mg/L}$
	Temp compensation	$(0 \sim 45)^{\circ}$ C (automatic)
	Salinity compensation	$(0 \sim 45)$ ppt (automatic)
	Pressure compensation	(80 ~ 105) kPa (automatic)
	Automatic calibration	Air saturated by water; water saturated by air
	Electrode type	Polarographic
Temperature	Range	(-10 ~ 110)°C
	Resolution	0.1ºC
-	Accuracy	5 ~ 60°C:±0.4°C Others: ±0.8°C
Other Parameters	Display	7-inch colored capacitive touch screen
ļ	Data storage	2000 sets
	Power	12V (110-220, 50-60Hz adapter)
	Communication interface	USB, RS232, Bluetooth
	Dimensions&Weight	240×170×70mm/600g
Working Conditions	Temperature	15 ~ 30 ⁰C
	Humidity	≤85%
	IP grade	IP54



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