



Chongqing Drawell Instrument Co., Ltd & Shanghai Drawell Scientific Instrument Co.,Ltd via Drawell International Technology Limited is a professional manufacturer and exporter of laboratory equipment and scientific instruments, founded in 1999. Drawell has over 50 employees in total, including 5 departments: Sales Dept. Operation Dept. Supply Chain. Finance Dept. Design Dept. and Administration Dpet. For us, the top priority is to provide our customers with the best service.

Therefore, all our employees are highly qualified after rigorous product training and working principles learning.

Drawell is specialized in R&D research. Our products include laboratory and medical instruments, such as Spectrophotometer, Refractometer, Microscope, Centrifuge, Chromatograph, Incubator, Drying Oven, Polarimeter, Balance, Homogenizer, AAS, Autoclave, Deep Freezer, XRF, XRD, Ultrasonic Cleaner, Freeze Dryer, Elisa Reader, Lab Furniture, FTTR, Water Bath, and etc. They are widely used in Pharmaceutical and food QC, Educational research, Environmental science, Chemical industry and other areas.



To keep sharp on the international market, we are committed to attending overseas

exhibitions, such as Arablab, PICCTON, Analytica Russia, Lab Africa, Analytica Munich, Analytica Latin America, Lab Thailand and etc. Now Drawell already has established business relationships with customers from more than 50 countries, and enjoyed a good reputation through reliable quality, competitive price and good service. Speaking of service, for all cooperated customers, we provide online installation guide, training and operation instructions to our customers. We're also capable of sending our professional engineers to customers' offices or factories to give local support, as our aim is to build and maintain long-term partnerships.

Drawell always warmly welcome your visit!

# | BENCHTOP-Classical series



## Features

- High-res 7" display screen with white backlight, easy to read
- Automatic calibration, ATC measurement, parameter setup
- Automatic reading stable indication, calibration indication
- Data logger: 450 readings
- Data export: flash disk/ wireless printer (the printer is optional)
- Equipped with a flexible probe holder and pH buffer solutions for convenient use
- Protection class: IP54

## Specifications-Single parameter

Model			PH100	EC100	DO100
Parameter		pH/mV.°C	✓	-	-
		mV(ORP).°C	✓	-	-
		Cond/TDS/Sal./Res.°C	-	✓	-
		DO	-	-	✓
pH	Measurement range	(-2.00-20.00) pH	✓	-	-
	Resolution	0.1/0.01	✓	-	-
	Accuracy	±0.01pH±one digit	✓	-	-
	Calibration points	1, 2, -3pts automatic	✓	-	-
	ATC range	(0.0-100.0) °C/(32.0-212.0)°F	✓	-	-
ORP	Measurement range	(-1999.9 - +1999.9) mV	✓	-	-
	Resolution	0.1/1	✓	-	-
	Accuracy	±0.1%F.S±one digit	✓	-	-
Conductivity	Measurement range	0-200.0mS/cm, auto-ranging: 0-19.99μS/cm; 20.0-199.9μS/cm; 200-1999μS/cm; 2.00-19.99S/cm; 20.00-199.9mS/cm; TDS: 0 - 100.0g/L (TDS factor adjustable) Resistivity: 5.00Ω · cm-100.0MΩ · cm Salinity: 0-100ppt	-	✓	-
	Calibration points	one point	-	✓	-
	Resolution	0.01/0.1/1	-	✓	-
	ATC range	(0.0-50.0) °C/(32.0-122.0)°F	-	✓	-
	Accuracy	±1.0% FS±one digit	-	✓	-
DO	Measurement range	(0.00-20.00) mg/L	-	-	✓
	Accuracy	±0.30 mg/L	-	-	✓
	DO saturation	(0.0-200.0)%	-	-	✓
	Automatic barometri pressure compensation	(0-200.0) kPa	-	-	✓
	Automatic temperature compensation	(0.0-50.0) °C/(32.0-122.0)°F	-	-	✓
	Manual salinity compensation	0-45ppt	-	-	✓
Temperature	Measurement range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	✓
	Accuracy	±0.2°C	✓	✓	✓
Others	Data export	Flash disk/Printer	✓	✓	✓
	Power supply	DC12V	✓	✓	✓
Test kit		Meter	✓	✓	✓
		Plastic ATC pH probe 201T	✓	-	-
		Plastic ATC Cond probe CON201T, K=1.0	-	✓	-
		Polarographic DO probe DO01-2M, cable length: 2m	-	-	✓
		pH buffer solution: pH4.00/7.00/10.01, 50mL, one for each	✓	-	-
		Standard Cond solution 84μS/1413μS/12.88mS/cm, 50mL, one for each	-	✓	-
		Membrane refill solution DOS-01, 30mL,1btl	-	-	✓
		Membrane sensor caps DOSC: 3pcs/group, 1pkg	-	-	✓
		Power adaptor: 1pc	✓	✓	✓
		Flexible probe holder F01: 1pc	✓	✓	✓
		Operation manual	✓	✓	✓

## Specifications-Multiparameter

Model			PC100	PD100	CD100	PCD100	
Parameter			pH/mV.°C	✓	✓	-	✓
			mV(ORP).°C	✓	✓	-	✓
			Cond/TDS/Sal./Res.°C	✓	-	✓	✓
			DO	-	✓	✓	✓
pH	Measurement range	(-2.00-20.00) pH	✓	✓	-	✓	
	Resolution	0.1/0.01	✓	✓	-	✓	
	Accuracy	±0.01pH±one digit	✓	✓	-	✓	
	Calibration points	1, 2, -3pts automatic	✓	✓	-	✓	
	ATC range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	-	✓	
ORP	Measurement range	(-1999.9 - +1999.9) mV	✓	✓	-	-	
	Resolution	0.1/1	✓	✓	-	-	
	Accuracy	±0.1%F.S±one digit	✓	✓	-	-	
Conductivity	Measurement range	0-200.0mS/cm, auto-ranging: 0-19.99µS/cm; 20.0-199.9µS/cm; 200-1999µS/cm; 2.00-19.99S/cm; 20.00-199.9mS/cm; TDS: 0 - 100.0g/L (TDS factor adjustable) Resistivity: 5.00Ω • cm-100.0MΩ • cm Salinity: 0-100ppt	✓	-	✓	✓	
	Calibration points	one point	✓	-	✓	✓	
	Resolution	0.01/0.1/1	✓	-	✓	✓	
	ATC range	(0.0-50.0) °C/(32.0-122.0)°F	✓	-	✓	✓	
	Accuracy	±1.0% FS±one digit	✓	-	✓	✓	
DO	Measurement range	(0.00-20.00) mg/L	-	✓	✓	✓	
	Accuracy	±0.30 mg/L	-	✓	✓	✓	
	DO saturation	(0.0-200.0)%	-	✓	✓	✓	
	Automatic barometri pressure compensation	(0-200.0) kPa	-	✓	✓	✓	
	Automatic temperature compensation	(0.0-50.0) °C/(32.0-122.0)°F	-	✓	✓	✓	
	Manual salinity compensation	0-45ppt	-	✓	✓	✓	
Temperature	Measurement range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	✓	✓	
	Accuracy	±0.2°C	✓	✓	✓	✓	
Others	Data export	Flash disk/Printer	✓	✓	✓	✓	
	Power supply	DC12V	✓	✓	✓	✓	
Test kit			Meter	✓	✓	✓	✓
			Plastic ATC pH probe 201T	✓	✓	-	✓
			Plastic ATC Cond probe CON201T, K=1.0	✓	-	✓	✓
			Polarographic DO probe DO01-2M, cable length: 2m	-	✓	✓	✓
			pH buffer solution: pH4.00/7.00/10.01, 50mL, one for each	✓	✓	-	✓
			Standard Cond solution 84µS/1413µS/12.88mS/cm, 50mL, one for each	✓	-	✓	✓
			Membrane refill solution DOS-01, 30mL,1btl	-	✓	✓	✓
			Membrane sensor caps DOSC: 3pcs/group, 1pkg	-	✓	✓	✓
			Power adaptor: 1pc	✓	✓	✓	✓
			Flexible probe holder F01: 1pc	✓	✓	✓	✓
			Operation manual	✓	✓	✓	✓

# | BENCHTOP - Touch screen



## Features

- Multi-channel, display pH/Cond/DO simultaneously (PCD100T)
- High-res 7" touch screen, easy for operation
- User-friendly operating navigation by graphics and texts
- Intelligent functions such as automatic calibration, automatic temperature compensation, timing data logger, parameter setup, etc.
- 1 to 5-point calibration for pH mode
- Data logger: 500 readings/parameter
- Data export: Flash disk/PC/Printer (optional)
- Equipped with a flexible probe holder, magnetic stirrer and standard calibration solution
- Protection class: IP54



## Specifications- Single parameter

Model			PH100T	EC100T	DO100T
Parameter		pH/mV.°C	✓	-	-
		mV(ORP).°C	✓	-	-
		Cond/TDS/Sal./Res.°C	-	✓	-
		DO	-	-	✓
pH	Measurement range	(-2.000-20.000) pH	✓	-	-
	Resolution	0.01/0.001	✓	-	-
	Accuracy	±0.002pH±one digit	✓	-	-
	Calibration points	1, 2, -5 pts automatic	✓	-	-
	ATC range	(0.0-100.0) °C/(32.0-212.0)°F	✓	-	-
ORP	Measurement range	(-1999.9 - +1999.9) mV	✓	-	-
	Resolution	0.1/1	✓	-	-
	Accuracy	±0.03%F.S±one digit	✓	-	-
Conductivity	Measurement range	0-2000.0mS/cm, auto-ranging: 0-19.999μS/cm; 20.0-199.9μS/cm; 200-1999μS/cm; 2.00-19.99mS/cm; 20.00-199.9mS/cm; 200.0-2000mS/cm (K=10) Match test range: 0-200mS/cm TDS: 0 - 100.0g/L (TDS factor adjustable) Resistivity: 5.000Ω · cm-100.0MΩ · cm Salinity: 0-100ppt	-	✓	-
	Calibration points	one point	-	✓	-
	Resolution	0.001/0.01/0.1/1	-	✓	-
	ATC range	(0.0-50.0) °C/(32.0-122.0)°F	-	✓	-
	Accuracy	±0.5 % FS±one digit	-	✓	-
DO	Measurement range	(0.00~20.00) mg/L	-	-	✓
	Accuracy	±0.30 mg/L	-	-	✓
	DO saturation	(0.0-200.0)%	-	-	✓
	Automatic barometri pressure compensation	(0-200.0) kPa	-	-	✓
	Automatic temperature compensation	(0.0-50.0) °C/(32.0-122.0)°F	-	-	✓
	Manual salinity compensation	0~45ppt	-	-	✓
Temperature	Measurement range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	✓
	Accuracy	±0.2°C	✓	✓	✓
Others	Data export	Flash disk/PC/Printer	✓	✓	✓
	Power supply	DC12V	✓	✓	✓
Test kit		Meter	✓	✓	✓
		Glass refillable combination pH probe 201G	✓	-	-
		Stainless-steel temperature probe TEMP-01	✓	-	-
		Glass ATC conductivity probe CON201TG, K=1.0	-	✓	-
		Polarographic DO probe DO01-2M	-	-	✓
		pH buffer solution: pH4.00/7.00/10.01, 50mL, one for each	✓	-	-
		Standard Cond solution 84μS/1413μS/12.88mS/cm, 50mL, one for each	-	✓	-
		Membrane refill solution DOS-01, 30mL,1btl	-	-	✓
		Membrane sensor caps DOSC: 3pcs/group, 1pkg	-	-	✓
		PC cable: 1pc	✓	✓	✓
		Flexible probe holder F01: 1pc	✓	✓	✓
		Magnetic stirrer: 1pc	✓	✓	✓
		Power adaptor	✓	✓	✓
		Operation manual	✓	✓	✓

## Specifications-Multiparameter

Model			PC100T	PD100T	CD100T	PCD100T
Parameter		pH/mV.°C	✓	✓	-	✓
		mV(ORP).°C	✓	✓	-	✓
		Cond/TDS/Sal./Res.°C	✓	-	✓	✓
		DO	-	✓	✓	✓
pH	Measurement range	(-2.000-20.000) pH	✓	✓	-	✓
	Resolution	0.01/0.001	✓	✓	-	✓
	Accuracy	±0.002pH±one digit	✓	✓	-	✓
	Calibration points	1, 2, -5 pts automatic	✓	✓	-	✓
	ATC range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	-	✓
ORP	Measurement range	(-1999.9 - +1999.9) mV	✓	✓	-	-
	Resolution	0.1/1	✓	✓	-	-
	Accuracy	±0.03%F.S±one digit	✓	✓	-	-
Conductivity	Measurement range	0-2000.0mS/cm, auto-ranging: 0-19.999μS/cm; 20.0-199.9μS/cm; 200-1999μS/cm; 2.00-19.99mS/cm; 20.00-199.9mS/cm; 200.0-2000mS/cm (K=10) Match test range: 0-200mS/cm TDS: 0 - 100.0g/L (TDS factor adjustable) Resistivity: 5.000Ω • cm-100.0MΩ • cm Salinity: 0-100ppt	✓	-	✓	✓
	Calibration points	one point	✓	-	✓	✓
	Resolution	0.001/0.01/0.1/1	✓	-	✓	✓
	ATC range	(0.0-50.0) °C/(32.0-122.0)°F	✓	-	✓	✓
	Accuracy	±0.5 % FS±one digit	✓	-	✓	✓
DO	Measurement range	(0.00-20.00) mg/L	-	✓	✓	✓
	Accuracy	±0.30 mg/L	-	✓	✓	✓
	DO saturation	(0.0-200.0)%	-	✓	✓	✓
	Automatic barometri pressure compensation	(0-200.0) kPa	-	✓	✓	✓
	Automatic temperature compensation	(0.0-50.0) °C/(32.0-122.0)°F	-	✓	✓	✓
	Manual salinity compensation	0-45ppt	-	✓	✓	✓
Temperature	Measurement range	(0.0-100.0) °C/(32.0-212.0)°F	✓	✓	✓	✓
	Accuracy	±0.2°C	✓	✓	✓	✓
Others	Data export	Flash disk/PC/Printer	✓	✓	✓	✓
	Power supply	DC12V	✓	✓	✓	✓
Test kit		Meter	✓	✓	✓	✓
		Glass refillable combination pH probe 201G	✓	✓	-	✓
		Stainless-steel temperature probe TEMP-01	✓	✓	-	✓
		Glass ATC conductivity probe CON201TG, K=1.0	✓	-	✓	✓
		Polarographic DO probe DO01-2M	-	✓	✓	✓
		pH buffer solution: pH4.00/7.00/10.01, 50mL, one for each	✓	✓	-	✓
		Standard Cond solution 84μS/1413μS/12.88mS/cm, 50mL, one for each	✓	-	✓	✓
		Membrane refill solution DOS-01, 30mL,1btl	-	✓	✓	✓
		Membrane sensor caps DOSC: 3pcs/group, 1pkg	-	✓	✓	✓
		PC cable: 1pc	✓	✓	✓	✓
		Flexible probe holder F01: 1pc	✓	✓	✓	✓
		Magnetic stirrer: 1pc	✓	✓	✓	✓
		Power adaptor	✓	✓	✓	✓
		Operation manual	✓	✓	✓	✓