



- pH/ORP/Ion Meters
- Conductivity/TDS/Salinity/Resistivity Meters
- Dissolved Oxygen Meters
- Multiparameter Analyzers
- Automatic Titrators and Karl Fischer Titrators
- Photometer and Colorimeter
- Turbidity Meters
- Electrodes
- Stirrers

Water Quality Meter

F Series Benchtop Meters



DZS-706 Benchtop Multi-parameter Analyzer



PHSJ-3F Benchtop pH Meter
PXSJ-216F Benchtop pH/Ion Meter
DDSJ-308FBenchtop Conductivity Meter
JPSJ-605F Benchtop Dissolved Oxygen Meter

pH

- 1-3 points calibration with auto-buffer recognition.
- Selectable pH buffer groups, including NIST, DIN, GB.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g/L}$, mg/L , g/L , mmol/L , PX , etc.
- Multi-measurement modes are supported, including Direct Reading mode, Standard Addition mode, Sample Addition mode and GRAN mode.
- Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc.; user-defined method is supported.

Conductivity

- 1-3 points calibration automatically recognizes the standard solutions.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.

DO

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Manual barometric pressure compensation.

GENERAL FEATURES

- LCD display screen
- Multi-reading feature allows auto-read, timed-read and continuous-read.
- Automatic/Manual temperature compensation ensures accurate results.
- Auto-hold feature senses and locks the measurement endpoint.
- Over 20 Settable parameters, including number of calibration points, stability criteria temperature unit, etc.
- Data capacity of up to 500 sets (GLP-compliant).
- Data can be transferred to PC or printer by USB or RS-232 communication interfaces.

METER INCLUDES

DZS-706: pH Electrode, Conductivity Cell ($K=1$), DO Probe, ATC Probe, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01)

PHSJ-3F: pH Electrode with ATC, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01)

PXSJ-216F: Fluoride ISE (indicator), Reference Electrode, ATC Probe, Electrode Holder, Stirrer.

DDSJ-308F: Conductivity cell ($K=1$), DO Probe, ATC Probe, Electrode Holder

JPSJ-605F: DO Probe, Electrode Holder

Model		DZS-706	PHSJ-3F	PXSJ-216F	DDSJ-308F	JPSJ-605F
pH	Range	(-2.00 ~ 20.00)pH	(-2.00 ~ 20.00)pH	(-2.000 ~ 20.000)pH		
	Resolution	0.01pH	0.01pH	0.001pH		
	Accuracy	±0.01pH	±0.01pH	±0.002pH		
mV	Range	(-1999.9-1999.9)mV	(-1999 ~ 1999)mV	(-1999.9-1999.9) mV		
	Resolution	0.1 mv	1 mv	0.1 mv		
	Accuracy	±0.1%FS	±0.1%FS	±0.03%FS		
pX	Range	(-2.00 ~ 20.00)pX		(0.000 ~ 14.000)pX		
	Resolution	0.01 pX		0.001pX		
	Accuracy	±0.01 pX		±0.002 pX		
Ion Concentration	Range	(0 ~ 19990)Unit: mol/L, mmol/L, g/L, mg/L, µg/L		•		
	Resolution	4-digit Significant Number		•		
	Accuracy	±0.5%		•		
Conductivity	Range	0.000µS/cm ~ 199.9 mS/cm			•	
	Resolution	0.001µS/cm			•	
	Accuracy	±1.0% (FS)			±0.5%FS	
Resistivity	Range	5.00Ω.cm ~ 20.00MΩ.cm			•	
	Resolution	0.01Ω·cm			•	
	Accuracy	±1.0% (FS)			±0.5%FS	
TDS	Range	0.000 mg/L ~ 100g/L			•	
	Resolution	0.001mg/L			•	
	Accuracy	±1.0% (FS)			±0.5%FS	
Salinity	Range	(0.00 ~ 8.00)%			•	
	Resolution	0.01%			•	
	Accuracy	±0.2%			±0.1%	
DO	Range	(0.00 ~ 19.99)mg/L				•
	Resolution	0.01mg/L				•
	Accuracy	±0.10mg/L				•
DO Saturation	Range	(0.0 ~ 199.9)%				(0.0 ~ 300.0)%
	Resolution	0.1%				•
	Accuracy	±2.0%				•
Temperature	Range	(-5.0 ~ 105.0) °C	(-5.0 ~ 135.0)°C	(-5.0 ~ 110.0) °C	(-5.0 ~ 110.0) °C	(-5.0 ~ 110.0) °C
	Resolution	0.1 °C	•	•	•	•
	Accuracy	±0.2 °C	±0.3 °C	±0.2 °C	±0.2 °C	±0.2 °C
General	Power Supply	100-240V, 50/60Hz	•	•	•	•
	Dimension (mm); Weight (kg)	280*215*93; 1	•	•	•	•

Touchscreen Benchtop Meters



DZS-708 Benchtop Multi-parameter Analyzer



PHSJ-5 Benchtop pH Meter

PXSJ-226 Benchtop pH/Ion Meter

DDSJ-318 Benchtop Conductivity Meter

pH

- 1-5 points calibration with 10 buffers auto-recognition
- User-defined pH buffer group is supported.
- Automatic electrode diagnosis with pH slope and offset display.

Ion

- 1-5 points calibration.
- Selectable measurement unit, including $\mu\text{g}/\text{L}$, mg/L , g/L , mmol/L , PX , etc.
- Multi measurement method build-in including Direct reading mode, Standard addition mode, sample addition mode and GRAN mode.
- Over 10 methods are built-in, including F^- , Cl^- , Br^- , I^- , NO_3^- , BF_4^- , NH_4^+ , K^+ , Na^+ , Ca^{2+} , Cu^{2+} , Pb^{2+} , Ag^+ and etc.; user-defined method is supported.

Conductivity

- Calibration function automatically recognizes the standard solutions.
- Settable parameters, including cell constant, temperature compensation coefficient and TDS factor.

DO

- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Manual barometric pressure compensation.

GENERAL FEATURES

- 5"LCD display screen.
- Automatic/Manual temperature compensation ensures accurate results.
- Multi-reading feature allows auto-read, timed-read and continuous-read (DZS-708、 DDSJ-318 only).
- Auto-hold feature senses and locks the measurement endpoint. (DZS-708、 DDSJ-318 only).
- Over 20 Settable parameters, including number of calibration points, stability criteria temperature unit, etc.
- Data capacity of up to 200 sets for each parameter (GLP-compliant).
- Data can be transferred to PC or printer by USB or RS-232 communication interfaces.

METER INCLUDES

DZS-708: pH Electrode, Conductivity Cell (K=1), DO Probe, ATC Probe, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01)

PHSJ-5: pH Electrode, ATC Probe, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01)

PXSJ-226: pH Electrode, ATC Probe, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01)

DDSJ-318: Conductivity cell (K=1), ATC Probe, Electrode Holder

Model		DZS-708	PHSJ-5	PXSJ-226	DDSJ-318
pH	Range	(-2.000 ~ 20.000)pH	(-2.000 ~ 18.000)pH	(0.000 ~ 14.000)pH	
	Resolution	0.001pH	•	•	
	Accuracy	±0.002pH	•	•	
mV	Range	(-2000.00 ~ 2000.00) mV	•	•	
	Resolution	0.01 mv	•	•	
	Accuracy	±0.03%FS	•	•	
pX	Range	(0.000 ~ 14.000)pX		•	
	Resolution	0.001 pX		•	
	Accuracy	±0.002 pX		•	
Ion Concentration	Range	(0 ~ 19990)Unit: mol/L, mmol/L, g/L, mg/L, µg/L		•	
	Resolution	4-digit Significant Number		•	
	Accuracy	±0.5%		•	
Conductivity	Range	0.000µS/cm ~ 199.9mS/cm			0.055µS/cm ~ 199.9mS/cm
	Resolution	0.001µS/cm			•
	Accuracy	±0.5% (FS)			•
Resistivity	Range	5.00Ω.cm ~ 20.00MΩ. cm			5.00Ω.cm ~ 18.25MΩ.cm
	Resolution	0.01Ω·cm			•
	Accuracy	±0.5% (FS)			•
TDS	Range	0.000 mg/L ~ 19.99g/L			0.000 mg/L ~ 100g/L
	Resolution	0.001mg/L			•
	Accuracy	±0.5% (FS)			•
Salinity	Range	(0.00 ~ 8.00)%			•
	Resolution	0.01%			•
	Accuracy	±0.1%			•
DO	Range	(0.00 ~ 19.99)mg/L			
	Resolution	0.01mg/L			
	Accuracy	±0.10mg/L			
DO Saturation	Range	(0.0 ~ 199.9)%			
	Resolution	0.1%			
	Accuracy	±2.0%			
Temperature	Range	(-5.0 ~ 135.0) °C	(-5.0 ~ 105.0) °C	(-5.0 ~ 105.0) °C	(-5.0 ~ 135.0) °C
	Resolution	0.1 °C	•	•	•
	Accuracy	±0.3 °C	±0.2 °C	±0.2 °C	±0.3 °C
General	Power Supply	110/220V, 50/60Hz	•	•	•
	Dimension (mm); Weight (kg)	290*200*70; 1	250*195*100; 2	250*195*100; 2	250*195*100; 2

Economic Benchtop Meters



PHS-3E/3C/2F Benchtop pH Meter

PHS-3E

- Automatic/Manual temperature compensation ensures accurate results.

PHS-3C/2F

- Manual temperature compensation ensures accurate results

GENERAL FEATURES

- LCD display screen
- 1-2 points calibration with auto-buffer recognition.

METER INCLUDES

- PHS-3E:pH Electrode with ATC, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01)
- PHS-3C/2F:pH Electrode, Electrode Holder, pH Buffer Powders (4.01, 7.00, 10.01).

Model		PHS-3E	PHS-3C	PHS-2F
pH	Range	(0.00 ~ 14.00)pH	•	•
	Resolution	0.01pH	•	•
	Accuracy	±0.01pH	•	•
mV	Range	(-1999 ~ 1999)mV	•	(-1400 ~ 1400)mV
	Resolution	1 mv	•	•
	Accuracy	±0.1%FS	•	•
Temperature	Range	(0.0 ~ 99.9) °C		
	Resolution	0.1 °C		
	Accuracy	±0.3 °C		
General	Power Supply	110/220V, 50/60Hz	•	•
	Dimension (mm);Weight (kg)	290*210*95;1.5	•	•



DDS-307A/307 Benchtop Conductivity Meter

FEATURES

- LCD display screen.
- Cell constant is settable.

DDS-307A

- Automatic/manual temperature compensation ensures accurate results.

DDS-307

- Manual temperature compensation.

METER INCLUDES

DDS-307A: Conductivity Cell (K=1), ATC Probe, Electrode Holder

DDS-307: Conductivity Cell (k=1), Electrode Holder

Model		DDS-307A	DDS-307
Conductivity	Range	0.00μS/cm ~ 100mS/cm	•
	Resolution	0.01μS/cm	•
	Accuracy	±1.0% (FS)	•
TDS	Range	(0.000 ~ 1999) mg/L	
	Resolution	0.001mg/L	
	Accuracy	±1.0% (FS)	
Temperature	Range	(0.0 ~ 99.9) °C	
	Resolution	0.1 °C	
	Accuracy	±0.3 °C	
General	Power Supply	110/220V, 50/60Hz	•
	Dimension (mm); Weight (kg)	300*220*90; 1.3	•

Economic Portable Meters



PHB-4 Portable pH Meter

MEASUREMENT PARAMETERS

- pH,ORP

FEATURE

- LCD display screen.
- 1-2 points calibration with auto-buffer recognition.
- Manual temperature compensation.

METER INCLUDES

- pH Electrode, pH Buffer Powders (4.01, 7.00, 10.01)

Model		PHB-4
pH	Range	(0.00 ~ 14.00) pH
	Resolution	0.01pH
	Accuracy	±0.03pH
mV	Range	(-1400 ~ 1400) mV
	Resolution	1mV
	Accuracy	±0.2%FS
General	Power Supply	AA Battery
	Dimension (mm); Weight (kg)	170*75*30; 0.5



DDB-303A Portable Conductivity Meter

MEASUREMENT PARAMETERS

- Conductivity, Resistivity, TDS, Salinity, Temperature.

FEATURE

- LCD display screen.
- Manual temperature compensation.
- Cell constant is settable.

METER INCLUDES

- Conductivity cell(kz1)

Model		DDB-303A
Conductivity	Range	0.00µS/cm ~ 100mS/cm
	Accuracy	±1.0%FS
General	Power Supply	AA battery
	Dimension (mm)& Weight (kg)	170*70*30; 0.3

Economic Portable Meters



JPB-607A Portable Dissolved Oxygen Meter

MEASUREMENT PARAMETERS

- DO Concentration, Temperature.

GENERAL FEATURE

- LCD display screen
- 1 or 2 points calibration using the air-saturated water or zero oxygen solution.
- Automatic temperature compensation ensures accurate results.

METER INCLUDES

- DO Probe

Model		JPB-607A
DO	Range	(0.00 ~ 20.00) mg/L
	Resolution	0.01mg/L
	Accuracy	±0.10mg/L
Temperature	Range	(0.0 ~ 40.0) °C
	Resolution	0.1 °C
	Accuracy	±0.5 °C
General	Power Supply	Two AA Battery
	Dimension (mm); Weight (kg)	165*75*30; 0.3

ZDJ-5B Automatic Potential Titrator



FEATURES

- 7" colorful touchscreen and smart guide system.
- Titration methods, curves and results are displayed in detail.
- 1 extra burette driver can be installed (optional).
- Replaceable burette with high-accuracy (10 ml or 20 ml selectable).
- Intelligent operation system provides features including user management, method management, electrode management, titrant management, data management, etc.
- Support the following titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).
- pH calibration and measurement are supported.
- Up to 100 user-defined methods and 10 user-defined shortcuts.
- Auto calculation with pre-defined formula.
- Store up to 200 titration data sets (GLP-compliant).
- Data analysis feature helps user review, compare and recalculate results.
- Data can be easily transferred to printer via RS-232 communication interface.
- Titrator can be controlled by computer via USB or RS-232 communication interface.
- Automatic sampler is supported.

INSTRUMENT INCLUDES

10ml Burette, Platinum Electrode, Silver Electrode, pH Electrode (indicator), Single Bridge Reference Electrode, Double Bridge Reference Electrode, ATC Probe, pH Buffer Powders (4.01, 7.00, 10.01)

OPTIONAL ACCESSORIES

20ml Burette, Auxiliary Burette Driver, Anti-diffusion Capillary

Model		ZDJ-5B
Burette	Repeatability	0.20%
	Accuracy	10ml Burette: ±0.025ml; 20ml Burette: ±0.035ml
	Resolution	10ml Burette: 1/20000; 20ml Burette: 1/10000
Mechanical Unit	Resolution	1/30000
	Charging speed	(55±10) s (Full burette)
Measuring Unit	Range	(-1999.0 ~ 1999.0) mv, (0.00 ~ 14.00)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH mv: ±0.03%FS
	Fluctuation	(±0.3mV±1bit) /3h
Temp. Compensation	Range	(-5.0 ~ 105.0) °C
	Resolutions	0.1 °C
	Accuracy	±0.3 °C
General	Power Supply	AC (220±22) V; (50±1) Hz
	Dimension (mm)& Weight (kg)	340*400*400; 10

ZDJ-4B Automatic Potential Titrator



FEATURES

- LCD display screen and smart guide system.
- Titration methods, curves and results are displayed in detail.
- Replaceable burette with high-accuracy (10 ml or 20 ml selectable).
- Support the following titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).
- pH calibration and measurement are supported.
- Store up to 50 titration data sets (GLP-compliant) and 1 latest set of titration curve.
- Data can be easily transferred to printer via RS-232 communication interface..
- Titrator can be controlled by computer via USB or RS-232 communication interface.

INSTRUMENT INCLUDES

10ml Burette, Platinum Electrode, Silver Electrode, pH Electrode (indicator), Single Bridge Reference Electrode, Double Bridge Reference Electrode, ATC Probe, pH Buffer Powders (4.01, 7.00, 10.01)

OPTIONAL ACCESSORIES

20ml Burette, Auxiliary Burette Driver, Anti-diffusion Capillary

Model		ZDJ-4B
Burette	Repeatability	0.2%
	Accuracy	10ml Burette: ±0.025ml; 20ml Burette: ±0.035ml
	Resolution	10ml Burette: 1/10000; 20ml Burette: 2/10000
Mechanical Unit	Resolution	1/30000
	Charging speed	(55±10) s (Full burette)
Measuring Unit	Range	(-1800.0 ~ 1800.0) mv, (0.00 ~ 14.00)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH mv: ±0.03%FS
	Fluctuation	(±0.3mV±1bit) /3h
Temp. Compensation	Range	(-5.0 ~ 105.0) °C
	Resolutions	0.1 °C
	Accuracy	±0.3 °C
General	Power Supply	110/220V; 50/60 Hz
	Dimension (mm)& Weight (kg)	340*400*400; 10

ZDJ-4A Automatic Potential Titrator



FEATURES

- LCD display screen.
- Titration methods and results are displayed.
- Preinstalled burette with high-accuracy (10 ml or 20 ml selectable).
- Support the following titration modes: DET (dynamic equivalence point titration), SET (Preset Endpoint Titration) and MAT (manual titration).
- pH calibration and measurement are supported.
- Store up to 50 titration data sets (GLP-compliant).
- Data can be easily transferred to printer via RS-232 communication interface.
- Titrator can be controlled by computer via RS-232 communication interface.

INSTRUMENT INCLUDES

10ml Burette, Platinum Electrode, Silver Electrode, pH Electrode (indicator), Single Bridge Reference Electrode, Double Bridge Reference Electrode, pH Buffer Powders (4.01, 7.00, 10.01).

OPTIONAL ACCESSORIES

20ml Burette, Anti-diffusion Capillary.

Model		ZDJ-4A
Burette	Repeatability	0.2%
	Accuracy	10ml Burette: ±0.025ml; 20ml Burette: ±0.035ml
	Resolution	10ml Burette: 1/10000; 20ml Burette: 2/10000
Mechanical Unit	Resolution	1/10000
	Charging speed	(55±10) s (Full burette)
Measuring Unit	Range	(-1800.0 ~ 1800.0) mv, (0.00 ~ 14.00)pH
	Resolutions	0.1mV, 0.01pH
	Accuracy	pH: ±0.01pH mv: ±0.03%FS
	Fluctuation	(±0.3mV±1bit) /3h
Temp. Compensation	Range	(-5.0 ~ 105.0) °C
	Resolutions	0.1 °C
	Accuracy	±0.3 °C
General	Power Supply	110/220V; 50/60 Hz
	Dimension (mm)& Weight (kg)	340*400*400; 10

ZD-2 Potential Titrator



FEATURES

- LCD display screen.
- Support the following titration modes: SET (Preset Endpoint Titration) and MAT (Manual titration).
- JB-10 Stirrer is included.
- Glass burette can be used for volume measurement (prepared by user).

INSTRUMENT INCLUDES

Platinum electrode, silver electrode, pH Electrode, double bridge reference electrode, pH Buffer Powders (4.01, 7.00, 10.01), Stirrer

OPTIONAL ACCESSORIES

20ml Burette, Auxiliary Burette Driver, Anti-diffusion Capillary

Model		ZD-2
Measuring Unit	Range	(0 ~ ±1400) mv, (0 ~ 14.00)pH
	Resolutions	1mV, 0.01pH
	Accuracy	pH: ±0.03pH mv: ±5mV
	Fluctuation	±0.01pH /3h
General	Power supply	110/220V; 50/60 Hz
	Dimension (mm)& Weight (kg)	300*235*100; 3

ZDY-502 Karl Fischer Titrator



FEATURES

- LCD display screen.
- Support KF Titration Mode and Titer Detection Mode.
- Features of auto-filling, auto-purging and auto-mixing of the reagents ensure safe handling of Karl Fischer chemicals.
- Selectable units including mg, mg/L, %, ppm, etc.
- Settable parameters, including measurement unit, polarization current, stirring rate, titration rate, stop volume, endpoint potential, stop criterion and etc.
- Store up to 200 titration data sets (GLP-compliant).
- Data can be easily transferred to printer via RS-232 communication interface.
- Reset feature automatically resumes all settings back to factory default options.

INSTRUMENT INCLUDES

10ml burette, volumetric titration cell (with electrodes and anti-diffusion capillary)

Model		ZDY-502
Volumetric Titration	Range	0.1mg ~ 250mg
	Polarization Current Accuracy	0.1mg
	Working Current	1μA±0.2μA; 50μA±10μA;
	Repeatability	±0.5%
General	Power supply	110/220V, 50/60 Hz
	Dimension (mm)& Weight (kg)	340*400*400; 10

KLS-411 Karl Fischer Coulometer



FEATURES

- LCD display screen.
- Generator cell with diaphragm.
- Selectable units including μg, mg, %, mg/L, g/L, etc.
- Settable parameters, including measurement unit, polarization current, generator current, endpoint potential, stop criterion and etc.
- Data can be stored and easily transferred to printer via RS-232 communication interface.
- Reset feature automatically resumes all settings back to factory default options.

INSTRUMENT INCLUDES

Coulometric titration cell (with electrodes)

Model		KLS-411
Coulometric Ttiation	Range	10ug ~ 20mg
	Polarization Current Accuracy	±0.2μA
	Working Current	10mA, 20 mA, 50 mA, 100 mA
	Working Current Accuracy	0.5%
	Accuracy	± (5%+3) μg
	Repeatability	±3%
General	Power supply	110/220V, 50/60 Hz
	Dimension (mm)& Weight (kg)	300*235*100; 3

WZB-175/170 Portable Turbidity Meter



WZB-175

- 2 photodiodes to ensure high accuracy.
- 1-7 points calibration using Formazin standards or zero water.
- Autoranging from 0-1000 NTUs.
- Data capacity of up to 2000 sets (GLP-compliant).
- Data stored can be transferred into the computer by USB or RS-232 communication interface.

WZB-170

- 1-4 points calibration using Formazin standards or zero water.
- Autoranging from 0-200 NTUs.

GENERAL FEATURE

- Uses Nephelometric principle with 90° detection.
- Meets ISO 7027 and offers consistent light source for higher accuracy.
- Selectable turbidity units, including the NTU, FNU and EBC.
- Settable parameters, including user ID, number of calibration points, data and time, etc.
- Auto-power-off feature effectively extends the battery usage time.
- IP65 waterproof.

METER INCLUDES

WZB-175: 5pcs turbidity bottles

WZB-170: 2pcs turbidity bottles

Model		WZB-175	WZB-170
Measuring Unit	Range	(0 ~ 20.00) NTU, (20.0 ~ 200.0) NTU (200~1000) NTU	(0 ~ 20.00) NTU, (20.0 ~ 200.0) NTU
	Resolution	0.01NTU 0.1NTU 1NTU	0.01NTU 0.1NTU 1NTU
	Accuracy	≤ ±6%	≤ ±8%
	Repeatability	≤ 0.5%	≤ 1.0%
	Fluctuation	≤ ±0.5% FS/30min	≤ ±1.0% FS/30min
General	Power supply	AA Battery or 5V DC 1A	•
	Dimension (mm)& Weight (kg)	220*100*80,0.8	•