

Water Quality Measuring Instrument Manufacturer

pH | Ion | Conductivity | TDS | Salinity | Dissolved Oxygen
Optical DO | O₂ | MLSS | Suspended Solid | Turbidity
Colorimeter (Residual Chlorine) | TMS | Electrode

ISTEK is....

istek Inc is a leading Korean manufacturer and specialist of lab and process analytical instruments for water quality.

We've been succeed in developing high performance water quality analyzer and supplying stably to field of environment, chemistry, medical science, biology, food, medicine, metal engineering, oceanography, agriculture and many fields of industries.



Company History

2016	- Portable turbidity & Portable colorimeter newly launched	2005	- Appointed "Bright prospective export company" from Small & Medium Business Administration
2015	- K-series (Laboratory meter) newly launched.	2004	- Registered a service mark "istek"
2013	- Advanced Multi parameter system, Multi 90i, newly launched		- Registered a trademark "SOWA"
2012	- Participating the exhibition, Envex 2012, Seoul/Korea		- Applied a patent regarding "Water analysis equipment & method" by capturing image
2011	- Participating the exhibition, Arablab 2011, Dubai/U.A.E.	2003	- Awarded Form recognition about "COD 200Mn"
2010	- Reassign R&D institute of Technology Acquired qualification for Internet Business Marketing		- Applied a patent registered about "General Water analyzing technology" by using com outer monitoring system
	- Participating the exhibition, MIS 2010, Jakarta/Indonesia		- Certified ISO 9001:2000 BQR
2009	- Appointed "Korea superior environmental company" from Ministry of Environment of Korea	2002	- Awarded "Innovative technology company (INNO-BIZ Company)" from Korea government
	- Reappointed as "Bright prospective export company" from Small & Medium Business Administration		- Awarded "Participant of utilizing the new technology" from Korea Ministry of commerce
2007	- Awarded 'Good product for supplying to the Korean supply administration'	2001	- Appointed as "Superior Company in technology innovative development project" from Korea small & medium business administration
2006	- Awarded "Certificate of New Excellent Product (NEP)" Certificated from Venture Business (No, 0611 27032-5-00580)	2000	- Appointed as "Bright prospective company" from Korea small business cooperation
	- Renewed "CE mark" for PDC-70N, pH- 200L and pH-20N		- Appointed as "Bright prospective export company" from Korea small & medium business administration
2005	- Awarded "Certificate of Good industrial Design" from ' Korea institute of design promotion'	1999	- Obtained "The certificate of excellent quality product"
	- Re-selected as "Innovative technology company" from Korea government		- Obtained "The certificated of Y2K"
			- Approved technical development dept. of istek from Korea government
		1998	- Registered a trade mark with the patent office
			- Obtained "CE mark" (TTI-P-G155/97-00)
		1996	- Registered istek's manufacturing factory
			- Established istek inc.

Laboratory K Series

pH / mV / ORP / Ion / DO / O₂ / Air / Conductivity / TDS / Salinity / Resistivity / Temp.

K Series



SMSD

- Customized Product consisting of 4 measuring items
(Choose from pH/ORP/Ion/DO/Cond./Salinity/TDS)
: Ex : pH/pH/DO/DO, Cond./Cond./Cond./DO, pH/pH/DO/Cond.
- Realtime data transfer available from Meter to PC(Excel form)
with SMSD program
- 4.3" TFT color LCD
- Temperatures display respectively when multiple measuring
- Various temperature type(Pt 100, Pt1000, NTC)
- Built in Printer (Option) available
- Warranty for 5 years of instrument, 6 month Sensor



K2000-pH

※ SMSD (Simultaneously Measuring & Saving Data System) :

Real-time data transfer from Meter to PC

[Single channel] - pH

K2000-pH(1CH)/K2200-pH(2CH)/K2300-pH(3CH)

- Measuring item : pH / mV / ORP / Ion / Temp.
- Simultaneously display pH and mV on pH measuring mode
- Choose one between Absolute ORP and Relative ORP on ORP mode
- Simultaneously display mV and Ion to check slope

pH	25.0 °C	7.00	CH1
	0.0 mV		
DO	25.0 °C	7.68	CH2
	40 nA	mg/L	
Cond	25.0 °C	1413.0	CH3
	707 Ω	uS/cm	

LCD for 3 Channels

[Single channel] - DO

K3000-DO(1CH)

- Measuring item : DO / Air / O₂ / Temp.
- Various calibration mode for customer convenience

[Single channel] - Conductivity

K4000-EC (1CH)

- Measuring item: Cond./TDS/Salinity/Resistivity/Temp.
- 2-cell, 4-cell type sensors both available
- Resistivity (Ω) provided

[Multiple channel] - Conductivity

K5000-CP (2CH)

- Measuring item : pH/mV/ORP/Ion, Cond./TDS/Salinity/Resistivity

K6000-PD (2CH)

- Measuring item : pH/mV/ORP/Ion, DO/Air/O₂

K7000-PDC (3CH)

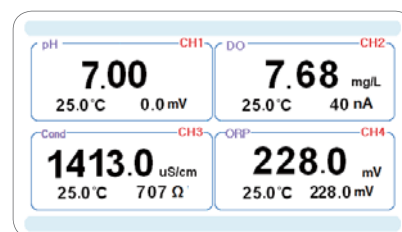
- Measuring item : pH/mV/ORP/Ion, DO/Air/O₂,
Cond./TDS/Salinity/Resistivity

K9000-M (4CH, Customized product)

- Measuring item : pH/mV/ORP/Ion, DO/Air/O₂,
Cond./TDS/Salinity/Resistivity
- Customized Product consisting of 4 measuring items Choose from
pH/ORP/Ion/DO/Cond./Salinity/TDS
: Ex) pH/pH/DO/DO, Cond./Cond./Cond./DO, pH/pH/DO/Cond.



K9000-M



LCD for 4 channels

Specifications

[Guide]

Model	Neomet - K series								
	pH			DO	Cond.	Multi			
	K2000- pH	K2200- pH	K2300- pH	K3000- DO	K4000- EC	K5000- CP	K6000- PD	K7000- PDC	K9000- M
pH	●	●	●	—	—	●	●	●	●
mV	●	●	●			●	●	●	●
ORP (Rel-mV)	●	●	●			●	●	●	●
Ion	●	●	●			●	●	●	●
DO	—	—	—	●	—	—	●	●	●
O ₂				●			●	●	●
Air(%)				●			●	●	●
Conductivity	—	—	—	—	●	●	—	●	●
TDS					●	●		●	●
Salinity					●	●		●	●
Resistivity(Ω)					●	●		●	●
Temperature	●	●	●	●	●	●	●	●	●
SDSM Program	●	●	●	●	●	●	●	●	●
Printer option	●	●	●	●	●	●	●	●	●
Channel	1CH	2CH	3CH	1CH	1CH	2CH	2CH	3CH	4CH

Laboratory Series

pH / mV / ORP / Ion / DO / O₂ / Air / Conductivity / TDS / Salinity / Temp.

EcoMet



- Clean custom LCD display
- Automatic Calibration & buffer recognition
- Simultaneous display of Data and Temperature
- Affordable and good design
- Data memory for 50ea

NeoMet



- Advanced performance with modern design
- Automatic Calibration & buffer recognition
- Simultaneous display of Data, Temperature and Current time
- Connect to PC and external printer (RS232 communication)
- Data memory for 100ea

[Single item] - pH

- P25 : pH/mV/Temp.
- pH-200L : pH/mV/Temp.
- pH-220L : pH/mV/ORP/Temp.
- pH-240L : pH/mV/ORP/Ion/Temp.

[Single item] - DO

- D45 : DO/O₂/Temp.
- DO-300L : DO/Air/O₂/Temp.

[Single item] - Cond.

- C75 : Cond./Temp.
- EC-400L : Cond./Salinity/Temp.

Specifications

[Guide]

Model	EcoMet			NeoMet				
	P25	D45	C75	pH-200L	pH-220L	pH-240L	DO-300L	EC-400L
pH	●	—	—	●	●	●	—	—
mV	●			●	●	●		
ORP	—			—	●	●		
Ion	—			—	—	●		
DO	—	●	—	—	—	—	●	—
O ₂		●					●	
Air(%)		—					●	
Conductivity	—	—	●	—	—	—	—	●
TDS			—					—
Salinity			—					●
Resistivity(Ω)			—					—
Temperature	●	●	●	●	●	●	●	●
SMSD Program	—	—	—	—	—	—	—	—
Printer option	—	—	—	—	—	—	—	—

Portable Series

pH / mV / ORP / Ion / DO / O₂ / Air / Conductivity / TDS / Salinity / Temp.

EcoMet



- Affordable and good design
- Automatic Calibration & buffer recognition
- Easy and simple operation
- Simultaneous display of Data and Temperature

NeoMet



- Advanced performance with good design
- Charged battery, adapter provided
- Simultaneous display of Data, Temperature and Current time
- Connect to PC and external printer (RS232 communication)
- Water proof design

[Single item] - pH

- P15 : pH/mV/Temp.
- O15 : ORP/Temp.
- pH-20N : pH/mV/ORP/Temp.
- pH-25N : pH/mV/ORP/Ion/Temp.

[Single item] - DO

- D35 : DO/O₂/Temp.
- DO-30N : DO/Air/O₂/Temp.

[Single item] - Cond.

- C65 : Cond./TDS/Temp.
- S60 : Salinity/Temp.
- EC-40N : Cond./TDS,(Salinity)/Temp.

Specifications

[Guide]

Model	EcoMet					NeoMet			
	P15	O25	D35	C65	S60	pH-20N	pH-25N	DO-30N	EC-40N
pH	●	—	—	—	—	●	●	—	—
mV	●	—				●	●		
ORP	—	●				●	●		
Ion	—	—				—	●		
DO	—	—	●	—	—	—	—	●	—
O ₂			●					●	
Air(%)			—					●	
Conductivity	—	—	—	●	—	—	—	—	●
TDS				●	—				●
Salinity				—	●				●
Temperature	●	●	●	●	●	●	●	●	●
Waterproof	—	—	—	—	—	●	●	●	●
Certificate	GD					CE, GD			

Portable Series - Multi

pH / mV / ORP / Ion / DO / O₂ / Air / Conductivity / TDS / Salinity / Temp .

NeoMet



- Various electrodes with a meter (pH/ORP/Ion/Cond./Temp.)
- Measure and display of Data, Temperature and current time simultaneously
- Waterproof (IP66) housing, Backlit graphic LCD display
- Fast, Accurate and Easy operation
- Auto-power-off, Self-diagnostics, Low Battery Alarm
- Rechargeable battery and adapter provided
- Provide the carrying case and standard accessories
- Connect to PC and external printer (RS 232C Communication)

[Multiple items]

CP-50N (1CH)

- pH / mV / OPR / Ion / Cond. / TDS / Salinity

CPD-65N (1CH)

- pH / mV / OPR / Ion
Cond. / TDS / Salinity
DO / Air / O₂

PD-60N (1CH)

- pH / mV / DO / Air / O₂

Multi 90i (6CH)

- pH / ORP / DO (O₂) / Cond. / Salinity (TDS)

Specifications

[Guide]

Model	NeoMet			
	CP-50N	PD-60N	CPD-65N	Multi 90i
pH	•	•	•	•
mV	•	•	•	•
ORP	•	•	•	•
Ion	•	•	•	•
DO	—	•	•	•
O ₂		•	•	•
Air(%)		•	•	•
Conductivity	•	—	•	•
TDS	•		•	•
Salinity	•		•	•
Temperature	•	•	•	•
Waterproof	•	•	•	•
Certificate	CE, GD			—
Channel	1CH	1CH	1CH	6CH

Multi parameter Water Quality Meter Multi 90i

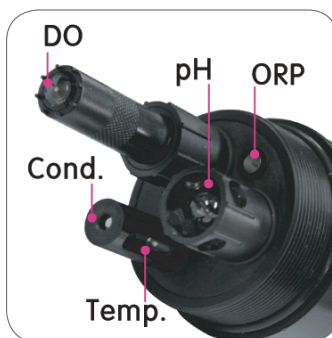
- Measuring item : pH/ORP/DO/Cond./Salinity (TDS)/Temp.
- Simultaneous measurement up to 6 or a singular item
- Real time monitoring through SMSD program
- Store the data up to 500,000 points
- Vivid 4.3" Color TFT LCD
- Simple and easy icons showing battery level, calibration history and other functions
- Lithium ion rechargeable battery & adaptor available in general & car
- Basically 3m cable provided (5m, 10m, 50m option)
- IP 68 : Water proof, Dust proof
- 5 years on warranty for instrument, sensor is covered by 6 month warranty



Application : Lakes, Rivers, Fish Farming, Ground Water, Oceans

※ SMSD (Simultaneously Measuring & Saving Data System) :

SMSD program enables data to be transferred to the PC in real time. It can be compatible with Excel.



100%

25.0 °C

MEASURING

7.00 pH

-199.9 ORP mV

8.45 DO mg/L

1413 Cond uS/cm

35.5 Sal ppt

2016-04-01

16:48:37

ISTEK, Inc. SMSD Software

Tel : 82-2-2108-8400
Fax : 82-2-6442-8430
http://www.istek.kr

[5:00:00] Receive Data Error

Send Clear

Model: Desk
Port: COM4
BaudRate: 9600

Open Close

Date	Time	Kind	Value	Unit	Temp...	Kind	Value	Unit	Temp...	Kind	Value	Unit	Temp...	Kind	Value	Unit	Temp...
2015/09/20	21:15:07	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:44	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:42	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:40	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:38	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:36	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:34	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:32	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:30	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:28	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:25	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:23	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:21	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0
2015/09/20	21:15:19	lon	0.32	mg/l	25.0	DO	8.68	mg/l	25.4	Cond	2.40	uS/cm	25.0	ORP			0.0

Portable - MLSS/SS

740 monitor-Portable MLSS/SS meter

Feature

- Quick and accurate readings of Suspended Solids, Sludge Blanket Level, and Turbidity
- Wide sensor Range (0~20,000 mg/L)
- Compact Robust Design (IP68/66)
- Up to 10 different calibrations

Application

- Mixed Liquor Suspended solids
- Returned Activated Sludge
- Final Effluent
- River Monitoring

Specification

	Monitor	Sensor
Dimensions	224 x 106 x 39 mm	45 mm Diameter, 155 mm long
Weight	0,5kg	0,6kg (including 5m cable)
Protection Class	IP 65	IP 68
Operating Temperature		0 to 60 °C
Storage Temperature		- 20 to 60 °C
Location		Portable
Accuracy		± 5% of measured value on real sample
Repeatability		± 1% of measured value on real sample
Measurement Principle		Infrared Light Attenuation



Portable - Turbidity/Colorimeter

Portable turbidity K100-TB

Feature

- Principle : 90 degree scattered light
- Easy calibration and operation
- Data memory up to 1000ea (USB available)
- Data backup available through PC
- Dispersion method / Through Transmission Method for accurate measuring
- Measuring range: 0 ~ 1000 NTU: Wide range cover from low to high concentration

Application

- Drinking water, swimming pool, Laboratory, Chemistry, Water culture, Bio, Fermentation, textile



Portable Colorimeter

Feature

- DPD method of US EPA
- Free chlorine, Total chlorine, Combined chlorine
- Silicone photodiode detector
- Range: 0.01~5.00 mg/L , 0.01~10.00 mg/L (High concentration)

Application

- City water supply, Food and beverage, Environmental, Medical, Chemical, Pharmaceutical



On-line Analyzer - SOWA Series

Controller (pH / DO / Conductivity / Salinity), COD

Controller pH / DO / Conductivity / Salinity

- Microprocessor based on single chip
- Convenient LCD, LED display (Measure, Calibrate, Data display)
- Low maintenance cost, High/Low alarm setting
- Standard serial communication by connecting with PC (RS 232C)
- Application: Sewage & Waste water disposal plant, Filtration, River



Specifications

Model	pH-910	DO-920	EC-930	
	pH	DO	Conductivity	Salinity
Range	0~14	0~19.99 ppm	0~199,999 uS/cm	0~80ppt
Repeatability	0.01 / 0.1	0.01 / 0.1	0.01 / 0.1	0.01 / 0.1
Accuracy	±0.01	±0.3%	±0.5%	±0.1
Temperature	-5~100℃	-5~100℃	-5~100℃	-5~100℃
Output	- Analog : 4-20mA		- Relay : Two SPDT relays	
	- Serial : RS232 (RS485 Option)		- Alarm : One SPDT relay	
Power	AC 110V / 220V (50/60Hz)			
Dimension	210 x 185 x 84 mm			
Option	- Electrode - ATC probe - Holder & Bracket - Cable (10~50m)			
	- Relay Box - Cleaning System (Air, Water-Jet, Ultrasonic)			

HM-96 Series

- Measuring items : pH/ORP, Ion, DO, EC
- Communication : 4~20mA, RS232 Option
- Relay : Two SPDT relays
- Control : On/Off
- Dimension : 96 x 96 x 155mm



pH92 : pH ORP4802 : ORP

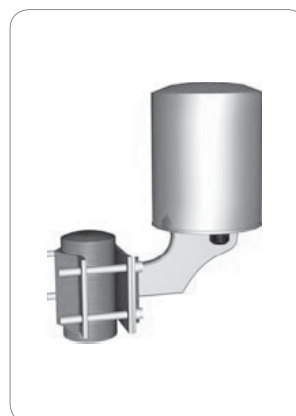
- Measuring items : pH, ORP
- Relay : Two SPDT relays
- Control : On/Off
- Dimension : 45 x 45 x 106mm



In-Situ panel Type



Submersible Holder



Relay Box (Conn' Box)



Cleaning System (Ultrasonic)

COD Auto monitoring system (Chemical Oxygen Demand) SOWA COD200Mn



- Potentiometric Method
- Monitoring & Controlling in real time
- Minimizing error rate by injecting accuracy amount of reagents
- Accurate Measuring by digital control system
- LCD Touch Screen
- Low Maintenance Cost
- Correcting function
- Multi-functions-program adopted for easy to operate
- Setting and controlling of High/Low Alarm

Specifications

Measuring principle	Potentiometric Method
Measuring Range	0~200 mg/L (min.0.1mg/L)
Sensor	ORP Electrode
Sampling Method	Auto Injection
Repeatability	±2%
Accuracy	±3%
Measuring Term	User setting available
Measuring Progress Time	60 Minute
Sample amount	10~100ml/1 time
Output	4~20mA, RS232/RS485, Lan (TCP/IP)
Data Output	External printer and Data memory available
Power	500W
Dimension	1650 x 600 x 420 mm



Calibration



Measuring



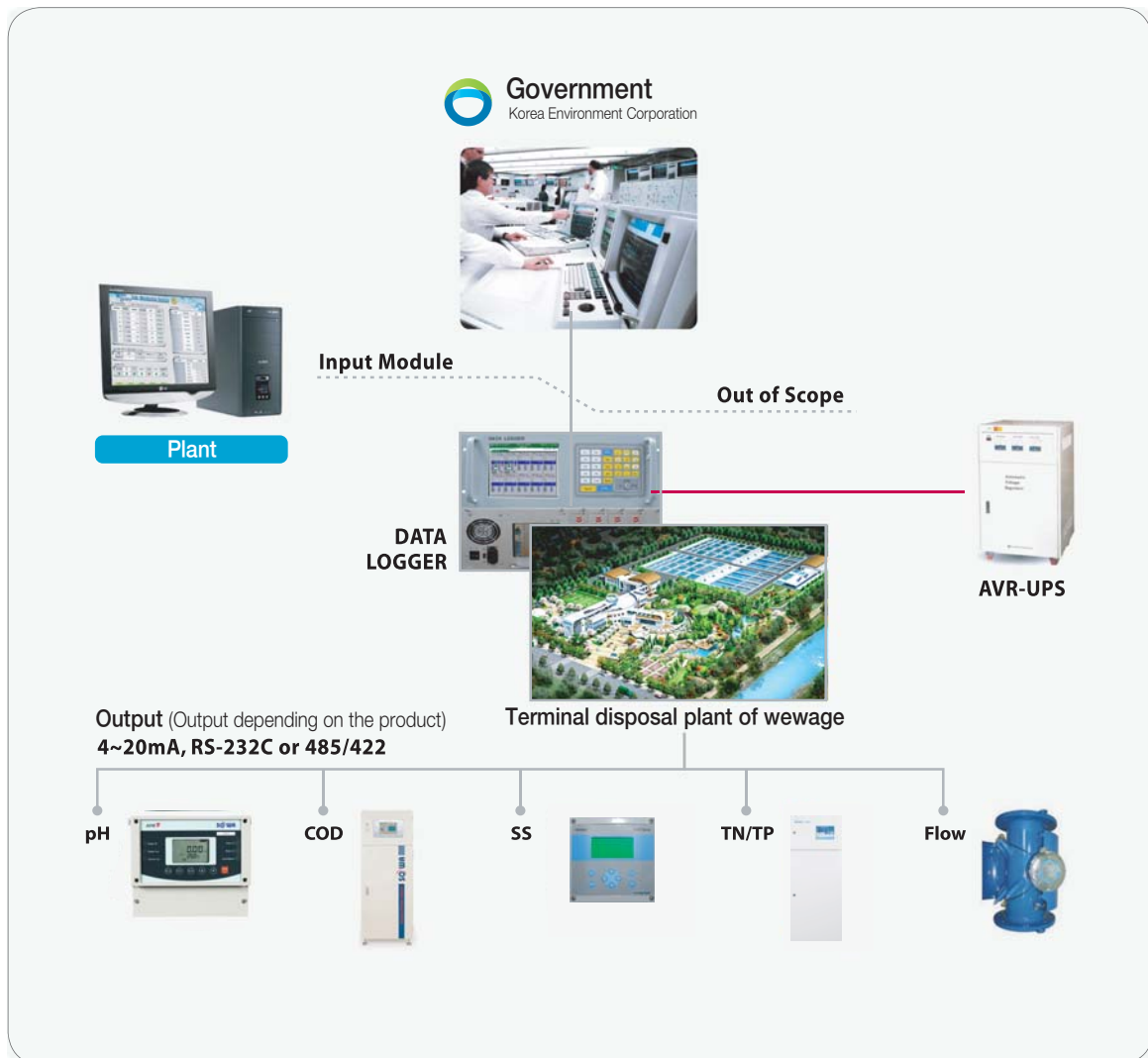
Setting

TMS

(Tele-Monitoring System)

Telecommunication channels transmit to the central point a process in which measurements are periodically made from remote locations.

The measurement can be realized using the network interfaces existing on the metering instruments, such energy counters, water and gas counters or other counters like the heating counters.



Measuring Item

- pH Meter
- SS(Suspended Solid) Meter
- COD(Chemical Oxygen Demand) Analyzer
- TN/TP (Total Phosphorus/ Nitrogen monitoring system)
- Flow meter
- Auto Sampler
- Data logger
- Uninterruptible Power Supply System



Measurement House

Process & Laboratory Sensors

pH

pH laboratory sensors

Electrode	Part No.	Description
pH	Epoxy	V-7000 pH 0-14, Double junction, General purpose
		5733526A 12x115mm, 0~60℃, General purpose
		5732511 Refillable, Flat surface : Dough, Meat, Fish, Cheese, leather, Paper
		5773702 Refillable, Epoxy body, Double junction, Milk, Viscosity, Yogurt
		5733928 Calomel Sealed
		5733928R Calomel Refillable
	Glass	V-0000 General purpose, Double junction
		238180 Refillable, pH 0-14, Double Junction, Sea Water, Swimming Pool, Strong acid & alkali
		5773710 Sleeve Junction ,Blood, Fat, Cream, Cosmetic, Non-aqueous Media, Oil, Paint
		577V504 Wick Junction, General purpose
		5473902 Refillable, Calomel, Micro 4x180mm, Blood, Lab Flask, Tall-From, Micro Samples, Test tube, TRIS Buffer
		5573512 Spear tip : Dough, Meat, Fish, Cheese, Skin, Surfaces : leather, Paper, Agar
		5773521 Rugged dome bulb, Soil, Refillable
		5773905 Calomel Refillable, SJ
		577V504W Water & Organic solvent, Refillable, Wick 12x110mm
		5573501 Semi Micro, Ag/AgCl, 6x110mm, Refillable
		5573902 Semi Micro, Calomel, 6x110mm, Refillable
		5473901 Micro Calomel 4x130mm, Refillable
		5473902 Micro Calomel 4x180mm, Refillable
Triode	Epoxy	V-700B pH 0-14, Triode (PT 100), Double junction, Sea Water, Swimming pool
		5733528AS Triode (PT 100), General purpose
		5733528A 12x110mm, 0~80℃, Cable 3m, Triode (PT 100)
	Glass	5773593A2 Sealed Triode (PT 100)
		5773504A2 Refillable, Triode (PT 100)
		5773701A2-220-DL Refillable, 12x220mm, (Electrode length adjustable : 300 or 400 mm), 4 Pin DL, Triode (PT 100)

- Basically electrode is provided with 1m cable. Upon request, 3m, 5m and 10m cable are available.

pH reference sensors

Part No.	Description
5771423	Ag/AgCl, Glass body, Refillable Reference
5771424	Calomel, Glass body, Refillable Reference

- Basically electrode is provided with 1m cable. Upon request, 3m, 5m and 10m cable are available.

Mono pH sensors

Part No.	Description
5773301	pH 0 -13, Mono pH 12x110mm, Glass body

Process & Laboratory Sensor

pH/ORP

pH process sensors

Part No.	Description
I-1T00-S8	pH : 0-14 / Temp : -20 to 135°C / Pressure : ≤ 7bar PG13,5 Threaded plug, Cable assemble separately Medical, Paramedical, Microbe - High temp. pressure (Cable 1m: 9001098)
I-1000-S8	pH : 0-14 / Temp : 0 to 100°C / Pressure : ≤ 7bar PG13,5 Threaded plug, Cable assemble separate Medical, Paramedical, Microbe - High temp. pressure (Cable 1m: 9001099)
I-100B-20BRCA-120	pH : 0-14 / Temp : 0 to 100°C / Pressure : ≤ 7bar Medical, Paramedical, Microbe - High temp. pressure (Cable 5m, Cable assembled, PT 100)
5773701A2-220	pH : 0-13 / Temp : -5 to 100°C / Pressure : ≤ 4bar Electrode length adjustable (220mm)
5773701A2-300	pH : 0-13 / Temp : -5 to 100°C / Pressure : ≤ 4bar Electrode length adjustable (300mm)
SA73792	pH : 0-13 / Temp : -5 to 130°C / Pressure : ≤ 10bar Steam ferment available, Cable assemble separately High temp. pressure (Cable 1m : 9001083, 2Pin, DL Type)
238643	High temperature, pressure Steam ferment available
LPH-100	pH : 2-10 / Temp : 0 to 40°C / Pressure : ≤ 50 PSI Cable assemble separately, HF electrode under 1%
2737672	pH : 0-9 / Temp : -5 to 80°C / Pressure : ≤ 60 PSI HF electrode under 1%, Antimony electrode
242428-3213	pH : 0-14 / Temp : -10 to 100°C / Pressure : ≤ 16 bar HF electrode

ORP sensors

Part No.	Description
5779601	Ag/AgCl Refillable Glass Body Metallic
5739602	Ag/AgCl Sealed, Epoxy Body Metallic

Process & Laboratory Sensors

Conductivity / DO

Conductivity sensors

Model	Range	Cell constant(K)	Body type	Platinum	Temperature
C527-1-1	0,055 to 20uS/cm	K=0,01	Stainless Steel	Platinum	0 ~ 120°C
1921301-21		K=0,05	Stainless Steel/CPVC	Nickel	-5 ~ 80°C
5731302-41	0,5 to 200uS/cm	K=0,1	Epoxy	Platinum	-5 ~ 80°C
C527-3-1			Stainless Steel	Platinum	0 ~ 120°C
5731302A	0,01 to 2mS/cm	K=1,0	Epoxy	Graphite	-5 ~ 80°C
5771302-31			Glass	Platinum	-5 ~ 100°C
C527-2-1			Stainless Steel	Platinum	0 ~ 120°C
5731302-61	1 to 200mS/cm	K=10	Epoxy	Platinum	-5 ~ 80°C
5731302A-61			Epoxy	Graphite	-5 ~ 80°C
5773102-61			Glass	Platinum	-5 ~ 100°C



Platinum



Glass



Graphite



Stainless steel/CPVC

- Conductivity Standard solutions (125ml)
: 146.9 uS/cm, 1413uS/cm, 6.67 mS/cm, 12.89 mS/cm, 111.9 mS/cm

DO sensors

Part No.	Description
023IP15G	Polarography (Plastic Body), for Lab Meter
023IP17S	Durable Polarography for portable Meter, for field



023IP15G



023IP17S



DO Membrane kit for 023IP15G
(DO Cartridge 2pcs,
Filling solution 125ml, Injector)



DO Membrane kit for 023IP17S
(DO Cartridge 3pcs,
Filling solution 125ml, Injector)



BOD Adapter

Process & Laboratory Sensor

ISE

ISE sensors

Electrode	Model	Sensor Type	Measuring Range		Slope	pH Range	Temp(°C) Range
			Molar	ppm(mg/L)			
Ammonium(NH ₄ ⁺)	NH41502	Glass Combination	1,0~5x10 ⁻⁶	18,000~0,01	56±2	4~10	0~50
Bromide(Br ⁻)	BRO1502	Glass Combination	1,0~5x10 ⁻⁶	79,900~0,4	57±2	2~14	0~80
Calcium(Ca ⁺²)	CAL1502	Glass Combination	1,0~5x10 ⁻⁶	40,000~0,2	27±2	3~10	0~50
Carbon Dioxide(CO ₂)	CO21501	Gas Sensing Combination	1,0x10 ⁻² ~1x10 ⁻⁴	440~4,4	56±3	4,8~5,2	0~50
Chloride(Cl ⁻)	CLO1502	Glass Combination	1,0~5x10 ⁻⁵	35,500~1,8	56±2	2~12	0~80
Copper(Cu ⁺²)	CUO1502	Glass Combination	0,1~1x10 ⁻⁸	6,350~6,4x10 ⁻⁴	27±2	2~12	0~80
Cyanide(CN ⁻)	CNO1502	Glass Combination	0,01~1x10 ⁻⁶	260~0,13	57±2	11~13	0~80
Fluoride(F ⁻)	FOO1502	Glass Combination	Saturate~1x10 ⁻⁶	Saturate~0,02	57±2	5~8	0~80
Iodide(I ⁻)	IOO1502	Glass Combination	1,0~5x10 ⁻⁸	12,700~6x10 ⁻³	57±2	0~14	0~80
Lead(Pb ⁺²)	PB21502	Glass Combination	0,1~1x10 ⁻⁶	20,700~0,2	25±2	3~8	0~80
Nitrate(NO ₃ ⁻)	NO31502	Glass Combination	1,0~7x10 ⁻⁶	62,000~0,5	57±2	2,5~11	0~50
Nitrogen Oxide(NO _x)	NOX1501	Gas Sensing Combination	5x10 ⁻³ ~5x10 ⁻⁶	220~0,2	56±3	1,1~1,7	0~50
Perchlorate(ClO ₄ ⁻)	PER1502	Glass Combination	1,0~7x10 ⁻⁶	98,000~0,7	56±2	2,5~11	0~50
Potassium(K ⁺)	KOO1502	Glass Combination	1,0~1x10 ⁻⁶	39,000~0,04	56±2	2~12	0~50
Silver/Sulfide(Ag ⁺ /S ⁻²)	AGS1502	Glass Combination	0,1~1x10 ⁻⁷	107,900~0,01	57±2	2~12	0~80
Sodium(Na ⁺)	NA71502	Glass Combination	1,0~1x10 ⁻⁶	Saturate~0,02	56±2	5~12	0~80
Surfactant(X ⁺ ,X ⁻)	SUR1502	Glass Combination	5x10 ⁻² ~1x10 ⁻⁵	12,000~1,0	Titration	2~12	0~50
Water Hardness (Ca ⁺² /Mg ⁺²)	WHA1502	Glass Combination	1,0~1x10 ⁻⁵	4,000~0,4(as Ca)	26±3	5~10	0~50



Ion Sensors



Chloride



Calcium



Fluoride

Process & Laboratory Sensors

Interference	Filling Solution	Standard Solution		ISA Solution	Remark
		1000ppm	100ppm		
K^+	R001043	NH4AS02	NH4AS03	NH4IS01	
S^{-2} , I^- , CN^- , high levels of Cl^- and NH_3	R001015	BROAS02	BROAS03	BROIS01	
Pb^{+2} , Hg^{+2} , Cu^{+2} , Ni^{+2}	R001013	CALAS02	CALAS03	CALIS01	
Volatile weak acids	CO2IF01	CO2AS02	CO2AS03	CO2IA01	Membrane Kit- CO2MK02, Storage Sol-NAOAS01
S^{-2} , I^- , CN^- , Br^-	R001015	CLOAS02	CLOAS03	CLOIS01	
Ag^+ , Hg^{+2} , high levels of Cl^- , Br^- , Fe^{+2} , Cd^{+2}	R001015	CUOAS02	CUOAS03	CUOIS01	
S^{-2} , I^- , Br^- , Cl^-	R001015	-	-	CNOIS01	
OH^-	R001013	FOOAS02	FOOAS03	FOOIS01 FOOIS02 FOOIS03	FOOIS01 - 1 Gallon FOOIS02 - 1 Gallon FOOIS03 - 475ml
S^{-2} , CN^- , Br^- , Cl^- , $S_2O_3^{-2}$, NH_3	R001015	IOOAS02	IOOAS03	IOOIS01	
Ag^+ , Hg^{+2} , Cu^{+2} , high levels of Cd^{+2} & Fe^{+2}	R001015	PB2AS02	PB2AS03	PB2IS01	
ClO_4^- , I^- , CN^- , BF_4^-	R001044	NO3AS02	NO3AS03	NO3IS01	
SO_2 , HF, acetic acid	NOXIF01	NOXAS02	NOXAS03	NOXIS01	
no significant interference	R001044	PERAS02	PERAS03	BERIS01	
CS^+ , NH_4^+	R001043	KOOAS02	KOOAS03	KOOIS01	
Hg^{+2} , Hg^+	R001015	AGSAS01 AGSAS05	AGSAS01 AGSAS06	AGSIS01	Sulfide Anti-Oxidant- AGSIS02, Led ISA Sol- PB2AS01
H^+ , K^+ , Li^+ , Ag^+ , Cs^+ , Ti^+	R001041	NAOAS02	NAOAS03	NAOIA01	Storage Solution- NAOES02
similar types of surfactants	R001011	SURAS02	SURAS03	SURIS01	
Cu^{+2} , Zn^{+2} , Ni^{+2} , Fe^{+2}	R001013	WHAAS02	WHAAS03	WHAIS01	



Potassium



Ammonium



Water Hardness



Nitrate



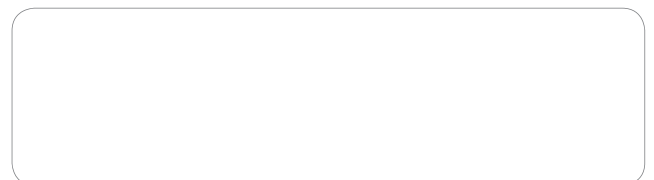
istek, Inc.

Room 1011, 272, Digital-ro (Hanshin IT-Tower), Guro-gu, Seoul (Zip:08389)

Tel : 02-2108-8400, **Fax :** 02-6442-8430
www.istek.co.kr **istek@istek.co.kr**

※ Copyright © 2017 istek, Inc. All rights reserved.

※ For details, please refer to the website (istek.co.kr)



Water Quality Measuring Instrument Manufacturer since 1996 istek, Inc.