

Electrochemistry
Products

www.jenway.com

IP65 Enterprise Meters

- Backlit liquid crystal display
- Environmentally protected case to IP65
- Reading hold function
- Free Carry case
- Full range of electrodes & consumables



pH - Models 350 & 370
 pH Range: -2.00 to 16.00
 Resolution/Accuracy: 0.01 / ±0.02
 mV Range: ±1999 (370 only)
 Resolution/Accuracy: 1mV / ±1mV
 Temp. Range: -10 to +105°C / 14 to 221°F (370 only)
 Resolution: 0.1°C (1°F)
 Accuracy: ±0.5°C (±1°F)
 MTC/ATC Range: 0 to 100°C (ATC Model 370 only)

Conductivity - Model 470
 Cond. Ranges: 6 switched ranges 0 to 19.99µS - 0 to 1999mS*
 Resolution: 0.01µS to 1mS*
 Accuracy: ±0.5% ±2 digits
 TDS Ranges: 6 switched ranges 0 to 19.99mg/l - 0 to 1999g/l*
 Resolution/Accuracy: 0.01mg/l to 1g/l / ±0.5% ±2 digits
 Temp. Range: -10 to +105°C / 14 to 221°F
 Resolution/Accuracy: 0.1°C (1°F) / ±0.5°C (±1°F)
 MTC/ATC Range: 0 to 100°C / 32 to 212°F
 *only with cell constant >5

Dissolved Oxygen - Model 970
 DO₂ Ranges: -5 to 199%, -5 to 25.0%, -5 to 19.99mg/L
 Resolution: 1%, 0.1%, 0.01mg/L
 Accuracy: ±2% within 10°C of cal. temp.
 Temp. Range: -10 to +105°C / 14 to 221°F
 Resolution/Accuracy: 0.1°C (1°F) / ±0.5°C (±1°F)
 MTC/ATC Range: 0 to 60°C / 32 to 140°F

pH/Conductivity - Model 430
 pH Range: 0 to 14.00
 Resolution/Accuracy: 0.01 / ±0.02
 Cond. Ranges: 5 switched ranges 0 to 19.99µS - 0 to 199.9mS
 Resolution/Accuracy: 0.01µS to 0.1mS / ±0.5% ±2 digits
 TDS Ranges: 5 switched ranges 0 to 19.99mg/l - 0 to 199.9g/l
 Resolution/Accuracy: 0.01mg/l to 0.1g/l / ±0.5% ±2 digits
 Temp. Range: -9.9 to +99.9°C / 14 to 212°F
 Resolution/Accuracy: 0.1°C (1°F) / ±0.5°C (±1°F)
 MTC/ATC Range: 0 to 99.9°C / 32 to 212°F
 Auto Buffer Recog. 4, 7, 9.22 & 10.05 (man. override)

Common Specifications
 Size: 175(l) x 75(w) x 35(d) mm
 Weight: 250g

Order Codes

350 271 Model 350 supplied with epoxy combination pH electrode (924 001), buffer sachets, batteries (fitted), carry case and instructions

370 271 Model 370 supplied with epoxy combination pH electrode (924 001), buffer sachets, batteries (fitted), carry case and instructions

470 271 Model 470 supplied with epoxy bodied conductivity probe (K=1) (027 298), carry case, batteries (fitted) and instructions

970 271 Model 970 supplied with DO₂ probe (970 231), spare membrane kit & KCl fill solution, zero cal. salts, batteries (fitted), carry case and instructions

430 271 Model 430 supplied with combined pH/conductivity probe (430 231), pH buffer sachets, carry case, batteries (fitted) and instructions

Premier Waterproof Meters

- Data logging up to 100 results
- Auto Buffer recognition
- Menu driven operation
- Comprehensive range of electrodes & consumables



- Capable of all ion analysis
- 1-3 point pH / 1-5 point Ion calibration
- Auto Buffer recognition
- Fully GLP compliant
- RS232 interface using optional cradle
- Multilingual operation

Models 3150 & 3205

pH (1 or 2 point cal)
 Range: -2.00 to 16.00
 Resolution/Accuracy: 0.01 / ±0.02
 mV Range: ±1999
 Resolution/Accuracy: 1mV / ±1mV
 Temp. Range: -10 to +105°C / 14 to 220°F
 Resolution/Accuracy: 0.1°C (1°F) / ±0.5°C (±1°F)
 ATC Range: 0 to 100°C
 Auto Buffer recognition: 4, 7 & 10.05 (manual override)
 Calibration: pH
 Power: 3 x AA cells
 Size/Weight: 200(l)x80(w)x60(d)mm / 370g

Model 3205 only

Calibration: Concentration
 Activity: Multipoint 1 to 5 points
 1x10⁻³ to 9.99x10⁹ in integer or exponential format
 Concentration Units: activity, %, ppm, mg/l, moles, none
 Dedicated Ion: Ammonium, Calcium, Chloride, Fluoride and Nitrate
 24 hour, hrs/min/sec or day of month/month/year, leap year corrected
 Clock:

Order Codes

538 001 Model 3150 supplied with pH/temperature probe (027 277), buffer sachets, batteries and instructions

539 501 Model 3205 supplied with pH/temperature probe (027 277), buffer sachets, waterproof connector to 57 electrode lead (013 161), waterproof connector to BNC electrode lead, batteries and instructions

Premier Waterproof Meters

- Data logging up to 100 results
- Auto Standard recognition
- Menu driven operation
- User selectable temperature coefficient



- 1-3 point calibration
- Auto Standard recognition
- Fully GLP compliant
- RS232 interface using optional cradle
- Multilingual operation

Models 4150 & 4200

Conductivity
 Ranges: 5 switched ranges: 0 to 199.9mS
 Resolution/Accuracy: 0.01µS to 0.1mS / ±0.5% ±2 digits
TDS
 Ranges: 5 switched ranges 0 to 199.9g/l
 Resolution/Accuracy: 0.01mg/l to 0.1g/l / ±0.5% ±2 digits
 Temp. Ranges: -10 to +105°C / 14 to 221°F
 Resolution/Accuracy: 0.1°C (1°F) / ±0.5°C (±1°F)
 MTC/ATC Range: 0 to 100°C
 Cell Constant: Digitally settable 0.015 to 19.99
 Ref. Temp: 18, 20 or 25°C
 Auto Standard recognition: 10µS, 84µS, 1413µS, 12.88mS (with manual override)
 Temp. Coefficient: 0.0 to 4%/°C linear
 Power: 3 x AA cells
 Size/Weight: 200(l)x80(w)x60(d)mm / 370g

Model 4200 only

Resistivity
 Range: 0 to 20Mohms
 Resolution/Accuracy: 0.01Mohms / ±0.5% ±2 digits
Salinity
 Range: 0 to 99.9g/l
 Resolution/Accuracy: 0.1g/l (0-35 ±1 / 35-99.9 ±3 of reading)
 24 hour, hrs/min/sec or day of month/month/year, leap year corrected
 Clock:

Order Codes

553 001 Model 4150 supplied with epoxy bodied conductivity cell/ATC (K=1) (027 233), batteries and instructions.

540 001 Model 4200 supplied with epoxy bodied conductivity cell/ATC (K=1) (540 520), batteries and instructions.

Premier Waterproof Meters

- Data logging up to 100 results
- Pressure & salinity compensation
- Menu driven operation
- Simultaneous display of temperature



- B.O.D. measurement option
- Fully GLP compliant
- RS232 interface using optional cradle
- Multilingual operation
- Menu driven

Models 9150 & 9200

DO₂ Ranges: 0 to 199%, 0 to 25.0%, 0 to 19.99mg/L
Resolution: 1%, 0.1%, 0.01mg/L
Accuracy: ±2% within 10°C of cal. temp.
Temp. Range: -10 to +105°C / 14 to 140°F
Resolution: 0.1°C (1°F)
Accuracy: ±0.5°C (±1°F)
MTC/ATC Range: -10 to 60°C / 14 to 140°F
Power: 3 x AA cells
Size/Weight: 200(l)x80(w)x60(d)mm / 370g

Model 9200 only
Clock: 24 hour, hrs/min/sec or day of month/month/year, leap year corrected

Order Codes

557 001 Model 9150 supplied with DO₂ probe (541 520), spare membranes & KCl, zero powder, membrane cover, membrane protective cap, batteries and instructions.

541 001 Model 9200 supplied with DO₂ probe (541 520), spare membranes & KCl, zero powder, membrane cover, membrane protective cap, batteries and instructions.

Accessories - Portable Meters

Enterprise

399 241 Enterprise Kit comprises Models 370 pH, 470 Cond/TDS and 970 DO₂ meters in a customised carry case. Accessories included - epoxy combination pH electrode, ATC probe, buffer sachets, conductivity cell with ATC (K=1), DO₂ probe, spare membranes & KCl, zero salts, batteries (fitted) and instructions.

**Enterprise Individual Carry Cases**

033 267 Model 350
033 268 Models 370 & 430
033 269 Model 470
033 270 Model 970

Note: supplied free of charge with each meter as standard.

Premier

Models 3150 & 3205

033 162 Carry case

027 229 Reference electrode with ATC

Models 4150 & 4200

033 174 Carry case

Models 9150 & 9200

033 175 Carry case

522 016 B.O.D. bottle attachment 2.5°

522 017 B.O.D. bottle attachment 3.0°

522 018 B.O.D. bottle attachment 6.0°

Common Premier Accessories

013 161 Detachable electrode lead

538 014 Adapter lead (BNC to Premier)



Items for use with 3205, 4200 & 9200 only:

542 001 Interface cradle (supplied with cable kit 542 009)

542 009 Interface cable kit

543 001 40 column printer (UK)*

543 201 40 column printer (EU)*

543 501 40 column printer (US)*
 * requires interface cradle

Conductivity Standards (500ml bottle)

025 138 1413µS
025 156 12.88mS
025 164 84µS
025 139 10µS
025 165 1382ppm TDS

DO₂ Consumables

541 553 KCl fill solution for DO₂ probe

983 030 Zero calibration powder for DO₂ probe

Laboratory pH Meters

Model 3505 pH - General Purpose/Education

- Mode selection via rotary controls
- pH, mV & temperature modes
- Accidental calibration change prevented during measurement
- Analogue output



Model 3510 pH - Routine Analysis

- 3 decimal place pH resolution
- 1, 2 or 3 point pH calibration
- Automatic or manual buffer selection
- 32 reading memory
- Analogue & RS232 outputs



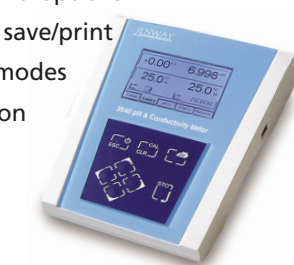
Model 3520 - Quality Control & G.L.P.

- 3 decimal place pH resolution
- 1, 2 or 3 point pH calibration
- Automatic or manual buffer selection
- 500 reading memory
- Full support of G.L.P. protocols
- RS232 serial & IrDA printer interface



Model 3540 - Combined pH & Conductivity

- Simultaneous display of pH & conductivity
- Tabbed display with set-up menu options
- Built-in data logger with auto save/print
- Resistivity, Salinity, TDS & mV modes
- Automatic or manual calibration
- Two independent channels (pH &/or conductivity)



Laboratory pH Meters

Model	3505	3510
pH Range	-2.00 to 16.00	-2.000 to 19.999
Resolution/Accuracy	0.01 / ±0.02	0.001/0.01/0.1 / ±0.003
mV Range	±1999mV	±1999.9mV
Resolution/Accuracy	1mV / ±1mV	0.1mV / ±0.2mV
Input Impedance	>10 ¹² ohms	>10 ¹² ohms
Temperature Range	-10 to +105°C	-10 to +105°C / (14 to 221°F)
Resolution	0.1°C	0.1°C (1°F)
Accuracy	±0.5°C	±0.5°C (±1°F)
ATC/MTC Ranges	-10 to +105°C	0 to 100°C (32 to 212°F)
Calibration	Manual	Jenway/DIN/JIS/NIST or manually entered
Auto Buffer Recog.	-	32 reading memory
Memory	-	Analogue/RS232
Outputs	Analogue	Analogue/RS232
Clock	-	24 hr, leap year corrected
GLP	-	-
Display	3½ digit LCD	Backlit custom LCD
Power	Battery 9V PP3	9V power supply
Size/Weight	210x250x55mm / 850g	210x250x55mm / 850g

Model 3540 only

Conductivity
 Ranges: Auto ranging from 0.01µS to 1.999S (19.995 with x10 probe)
 Resolution: 0.01µS to 1mS (0.015 with x10 probe)
 Accuracy: ±0.5% ±2 digits
 Cell Constant: Digitally settable 0.015 to 19.99
 Ref. Temp: 18, 20 or 25°C
 Auto Standard recog: 10µS, 84µS, 1413µS, 12.88mS
 Manual Standard recog: Any value entered within the range or by cell constant value

Order Codes

350 501 Model 3505 supplied with epoxy bodied combination pH electrode (924 001), electrode stand & holder, ATC probe (027 500), BNC shorting plug, buffer sachets, battery and instructions

351 001 Model 3510 supplied with glass combination pH electrode (924 005), electrode stand & holder, ATC probe (027 500), BNC shorting plug, buffer sachets, UK power supply and instructions

351 101 Model 3510 supplied as above with US power supply

351 201 Model 3510 supplied as above with EU power supply

351 301 Model 3510 supplied as above with 230V leaded power supply

Order Codes

352 001 Model 3520 supplied with glass combination pH electrode (924 005), electrode stand & holder, ATC probe (027 500), BNC shorting plug, buffer sachets, UK power supply and instructions

352 101 Model 3520 supplied as above with US power supply

352 201 Model 3520 supplied as above with EU power supply

352 301 Model 3520 supplied as above with 230V leaded power supply

354 001 Model 3540 supplied with glass combination pH electrode (924 005), glass conductivity probe with ATC (K=1) (027 013), electrode stand & holder, ATC probe (027 500), BNC shorting plug, buffer sachets, UK power supply and instructions

354 101 Model 3540 supplied as above with US power supply

354 201 Model 3540 supplied as above with EU power supply

354 301 Model 3540 supplied as above with 230V leaded power supply

Laboratory pH Meters

Model	3520	3540
pH Range	-2.000 to 20.000	-2.000 to 20.000
Resolution/Accuracy	0.001/0.01/0.1 / ±0.003	0.001/0.01/0.1 / ±0.003
mV Range	±1999.9mV	±1999.9mV
Resolution/Accuracy	0.1mV / ±0.2mV	0.1mV / ±0.2mV
Input Impedance	>10 ¹² ohms	>10 ¹² ohms
Temperature Range	-10 to +105°C / (14 to 221°F)	-10 to +105°C / (14 to 221°F)
Resolution	0.1°C (1°F)	0.1°C (1°F)
Accuracy	±0.5°C (±1°F)	±0.5°C (±1°F)
ATC/MTC Ranges	0 to 100°C (32 to 212°F)	0 to 100°C (32 to 212°F)
Calibration	Jenway/DIN/JIS/NIST or manually entered	Jenway/DIN/JIS/NIST or manually entered
Auto Buffer Recog.	32 reading memory	32 reading memory
Memory	Analogue/RS232 & IrDA	Analogue/RS232 & IrDA
Outputs	24 hr, leap year corrected	24 hr, leap year corrected
Clock	Cal. reminder (1-999 hrs)	Cal. reminder (1-999 hrs)
GLP	Alarm outputs	Alarm outputs
Display	Security code protected data	Security code protected data
Power	-	Operator and Sample ID
Size/Weight	Backlit 1/8 VGA LCD	Backlit 1/8 VGA LCD
	9V power supply	9V power supply

Accessories

050 501 DataWay PC Software - includes CD-ROM, interface cable and instructions. (For models 3510, 3520, 4510, 4520 & 3540)

037 551 RS232 to USB converter

037 801 9 way serial cable (all models except 3505)

037 901 Bench stirrer (battery operated)



037 701 Thermal printer with IrDA supplied with roll, universal power adaptor and interface cable for non IrDA units (For models 3510, 3520, 4510, 4520, 3540 & 9500)



Laboratory Ion Meters

Models 3340 & 3345

- Dual input & display
- 1 to 5 point ion calibration
- Auto endpoint detection
- Fully G.L.P. compliant
- Full support of incremental methods (model 3345)

pH Range: -2 to 19.99pH
Resolution/Accuracy: 0.1/0.01/0.001pH / ±0.003pH
mV Range: ±1999.9 mV
Resolution/Accuracy: 0.1mV / ±0.2mV
Concentration Range: 1 x 10⁻⁹ to 9.99 x 10⁹
Resolution: 3 significant digits
Accuracy: ±0.003pX for monovalent ions
Units: Activity, ppm, %, mg/L, M or none

Measurement method: Direct potentiometry (3340/3345)
Incremental (3345 only)

Temperature Range: -10 to 105°C / 14 to 221°F
Resolution/Accuracy: 0.1°C / (1°F) / ±0.5°C / (±1°F)
Manual/ATC Ranges: 0 to 100°C / 32 to 212°F
Auto Buffer Recog: 2, 4, 7, 9 and 10pH buffers (manual override)

Calibration: 1, 2 or 3 point pH
1, 2, 3, 4 or 5 point Conc.
Analog, RS232, Hi/Lo alarm
Outputs: 24 hour, leap year corrected
Clock: 100 results
Data logging: 18, 20 or 25°C
G.L.P. Cal. reminder interval (1 to 999 hrs)

Display: LCD Graphics
Power: Power Supply 9V a.c.
Size/Weight: 275(l) x 240(w) x 150(d) mm/1.2Kg

Accessories

- 543 001 40 column printer (UK)
- 543 201 40 column printer (EU)
- 543 501 40 column printer (US)
- 542 009 Interface cable kit
- 555 001 Bench stirrer - power & control from instrument

Order Codes

547 001 Model 3340 supplied with glass combination pH electrode, swing arm electrode holder, ATC probe, buffer sachets, instruction manual and UK power supply

547 101 Model 3340 supplied as above with US power supply

547 201 Model 3340 supplied as above with EU power supply

547 301 Model 3340 supplied as above with 230V leaded power supply

548 001 Model 3345 supplied with glass combination pH electrode, swing arm electrode holder, BNC to S7 lead-less connector, ATC probe, buffer sachets, instruction manual and UK power supply

548 101 Model 3345 supplied as above with US power supply

548 201 Model 3345 supplied as above with EU power supply

548 301 Model 3345 supplied as above with 230V leaded power supply

Laboratory Conductivity Meters

Model 4510 Conductivity/TDS

- Automatic range selection
- Calibration on standard solutions or direct cell constant entry
- 32 reading memory

Model 4520 Conductivity/TDS

- 'Pure water' mode for optimum accuracy
- Security code protected user data
- 500 reading memory
- RS232 & IrDA printer interface

Models 4510 & 4520

Conductivity Ranges: 6 switched ranges: 0 to 1999mS
Resolution/Accuracy: 0.01µS to 1mS* / ±0.5% ±2 digits
TDS Ranges: 6 switched ranges 0 to 1999g/l
Resolution/Accuracy: 0.01mg/l to 1g/l* / ±0.5% ±2 digits
Temp. Ranges: -10 to +105°C / 14 to 221°F
Resolution/Accuracy: 0.1°C (1°F) / ±0.5°C (±1°F)
ATC/MTC Ranges: 0 to 100°C (32 to 212°F)
Cell Constant: 0.010 to 19.999
Ref. Temp. 18, 20 or 25°C
Auto Standard recognition: 10µS, 84µS, 1413µS, 12.88mS (with manual override)
Temp. Coefficient: 0.0 to 4%/°C
EC Ratio: 0.50 to 0.80
Power: 9V power supply
Size/Weight: 210(l)x250(w)x55(d)mm / 370g

Model 4520 only

Resistivity Range: 0 to 20Mohms
Resolution/Accuracy: 0.01Mohms / ±0.5% ±2 digits
Salinity Range: 0 to 99.9g/l
Resolution/Accuracy: 0.1g/l (0.35 ±1 / 35-99.9 ±3 of reading)
Clock: 24 hour, hrs/min/sec or day of month/month/year, leap year corrected
Cal reminder interval (1-999 hrs)
Alarm outputs
Security code protected user data

GLP:

Order Codes

451 001 Model 4510 supplied with glass conductivity cell with ATC K=1 (027 013), electrode holder, UK power supply and instructions

451 101 Model 4510 supplied as above with US power supply

451 201 Model 4510 supplied as above with EU power supply

451 301 Model 4510 supplied as above with 230V leaded power supply

452 001 Model 4520 supplied with glass conductivity cell with ATC K=1 (027 013), electrode holder, UK power supply and instructions

452 101 Model 4520 supplied as above with US power supply

452 201 Model 4520 supplied as above with EU power supply

452 301 Model 4520 supplied as above with 230V leaded power supply

Laboratory DO₂ Meters

Model 9500 DO₂ Meter

- Full support B.O.D. 5 day test
- Security code protected data
- Calibration reminder & status display
- Fully GLP compliant
- RS232 & IrDA printer interface

Model 9500

DO₂ Ranges: 0 to 199%, 0 to 25.0%, 0 to 19.99mg/L
Resolution: 1%, 0.1%, 0.01mg/L
Accuracy: ±2% within 10°C of cal. temperature
Temp. Range: -10 to +60°C / 14 to 140°F
Resolution: 0.1°C (1°F)
Accuracy: ±0.5°C (±1°F)
MTC/ATC Range: 0 to 60°C (32 to 140°F)
Pressure correction: Manual
Salinity correction: Manual
Calibration: Automatic
Data Logging: 250 reading storage plus 20 BOD sets (10 samples per set)
Clock: 24 hour, hrs/min/sec or day of month/month/year, leap year corrected
Cal reminder interval (1-999 hrs)
Alarm outputs
Security code protected user data
Back lit 1/8 VGA LCD
9V power supply
210x250x55mm
850g

Clock:

GLP:

Outputs:

Display:

Power:

Size:

Weight:

Order Codes

950 001 Model 9500 supplied with DO₂ probe with ATC (522 008), electrode holder, spare membranes & KCl, zero calibration salts, adapter bush, UK power supply and instructions

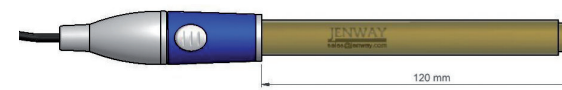
950 101 Model 9500 supplied as above with US power supply

950 201 Model 9500 supplied as above with EU power supply

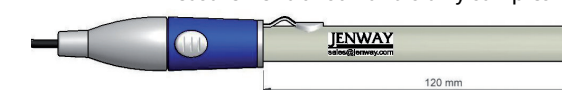
950 301 Model 9500 supplied as above with 230V leaded power supply

Combination pH Electrodes

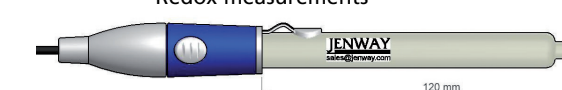
924 001 General purpose, epoxy bodied
Standard measurements of general solutions



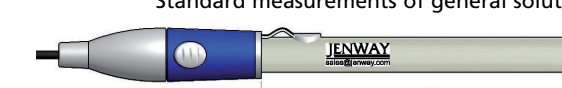
924 002 12mm stem spear type, glass bodied
Measurement of soil and slurry samples



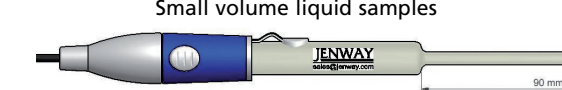
924 003 Redox (platinum), glass bodied
Redox measurements



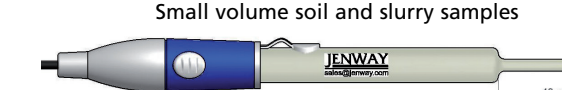
924 005 General purpose, glass bodied
Standard measurements of general solutions



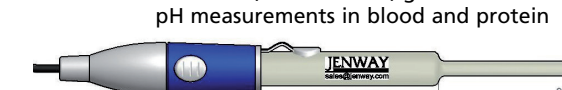
924 007 4.5mm semi-micro, 90mm reach, glass bodied
Small volume liquid samples



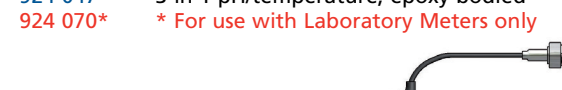
924 010 Spear type, 6mm stem, glass bodied
Small volume soil and slurry samples



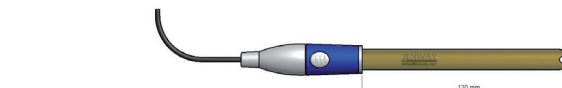
924 030 Tris Buffer, 90mm reach, glass bodied
pH measurements in blood and protein



924 047 3 in 1 pH/temperature, epoxy bodied
* For use with Laboratory Meters only



924 034 Spear knife probe, epoxy based
Measurement of solid samples



924 076 Difficult applications, glass bodied
Measurement of oils and non-aqueous samples

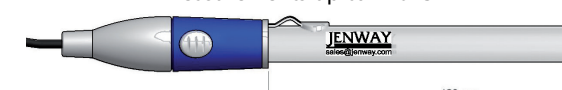


Combination pH Electrodes

924 078 350mm long reach, glass bodied
Measurement in flasks



924 079 High temperature, glass bodied
Measurements up to 110°C



924 080 Laboratory electrode, glass bodied
Aggressive chemical applications



Application Specific Electrodes

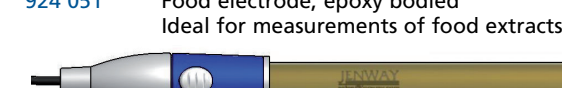
924 049 Life science, 6mm micro, 150mm reach, glass bodied
For test tubes and small amounts of sample



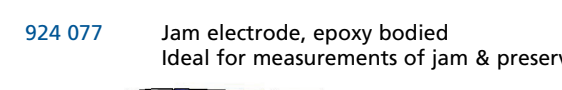
924 050 Environmental electrode, glass bodied
Suitable for low ionic strength solutions and water



924 051 Food electrode, epoxy bodied
Ideal for measurements of food extracts



924 077 Jam electrode, epoxy bodied
Ideal for measurements of jam & preserves

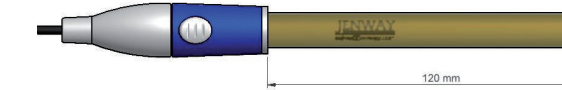


Waterproof Versions

027 227 Waterproof, general purpose with ATC



924 052 Waterproof environmental with ATC



Combination pH Electrodes

Jenway Performance pH Electrodes

- Reaches equilibrium in samples quickly
- Significantly reduces response times
- Far greater reproducibility of results
- Significantly reduced long-term drift

924 904 4.5mm semi-micro, 90mm reach, glass bodied
Small volume liquid samples, tris buffers and for use in high accuracy laboratories



924 905 General purpose, glass bodied
Measurements in general solutions, tris buffers and for use in high accuracy laboratories



Performance Electrode Selection Chart

Electrode	924 904	924 905
Sample Type		
Beer	✓	✓
Blood Products	✓	✓
Cement	✓	✓
Cosmetics	✓	✓
Dairy Products	✓	✓
Education	✓	✓
Fats/Cream	✓	✓
Field Use	✓	✓
Fish Products	✓	✓
High Accuracy Laboratories	✓	✓
Low Ionic	✓	✓
Micro Samples	✓	✓
Paint	✓	✓
Soil	✓	✓
Test Tubes	✓	✓
Tris Buffer	✓	✓

✓ Electrode recommended for this sample type

✓ Electrode would be satisfactory for use with this sample type

If the box is left blank this indicates that the electrode is unsuitable for this particular application.

pH Buffers

Sachets 025 179 pH 4 sachets (pack 10)
025 180 pH 7 sachets (pack 10)
025 181 pH 10 sachets (pack 10)

Solutions (500ml bottles)

025 037 pH 4 solution (red)
025 038 pH 7 solution (yellow)
025 039 pH 10 solution (blue)
025 162 pH 9.22 solution
025 163 pH 2 solution

Miscellaneous

025 160 3M KCl electrode fill solution
025 161 Electrode cleaning solution
025 196 pH electrode fill solution 3M KCl (AgCl sat.) (100ml)
025 192 pH electrode storage solution (250ml)
025 157 Redox standard (200mV) (500ml)
025 158 Redox standard (300mV) (500ml)
025 159 Redox standard (465mV) (500ml)

Combination pH Electrode Selection Chart

Electrode	924 001 027 227 924 067	924 002	924 005 924 003	924 007	924 010	924 015	924 030	924 034	924 047 924 070	924 049	924 050 924 052	924 051	924 076	925 077 (Jam)	924 078	924 079	924 080
Sample Type																	
Agar												✓					
Alkaline (high)												✓					
Beer	✓		✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Blood Products	✓		✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Bread, Dough		✓										✓					
Cement	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Cosmetics	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dairy Products	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drinking water			✓	✓		✓			✓	✓	✓	✓	✓	✓	✓	✓	✓
Education	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Fats/Cream		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Field Use	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fish Products	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
High Temperature Jam/Preserves														✓		✓	✓
Lab Environments Lab Flasks				✓							✓				✓		
Low Ionic			✓			✓				✓	✓	✓	✓		✓	✓	
Meat, Cheese		✓			✓			✓			✓	✓	✓				
Micro Samples				✓	✓		✓	✓		✓	✓	✓	✓				
Paint				✓	✓	✓											✓
Photographic																	✓
Soil	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Surface																	
Test Tubes																✓	✓
Tris Buffer							✓				✓						✓
Viscous Samples		✓			✓		✓				✓	✓		✓			

✓ Electrode recommended for this sample type

✓ Electrode would be satisfactory for use with this sample type

If the box is left blank this indicates that the electrode is unsuitable for this particular application.

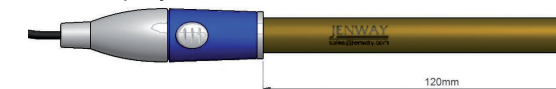
Ion Selective Electrodes

Electrode	Combination Order Code	Mono Order Code
Ammonia	924 328	-
Ammonium	924 302	924 500
Barium	924 307	924 501
Bromide	924 308	924 502
Cadmium	924 309	924 503
Calcium	924 301	924 504
Carbonate	924 311	924 505
Chloride	924 304	924 506
Copper	924 313	924 507
Cyanide	924 314	924 508
Fluoride	924 305	924 509
Iodide	924 316	924 510
Lead	924 317	924 511
Magnesium	924 326	924 522
Mercury	924 318	924 512
Nitrate	924 300	924 513
Perchlorate	924 321	924 515
Potassium	924 322	924 516
Silver	924 323	924 517
Sodium	924 329	924 521
Sulphide	924 324	924 518
Thiocyanate	924 325	924 519
Water Hardness	924 327	924 523

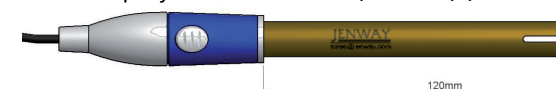
Note: ISE's are supplied without the connecting lead

Conductivity Cells

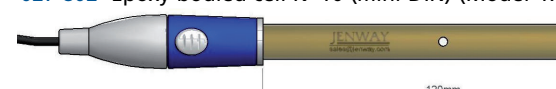
027 298 Epoxy bodied cell K=1 (mini-DIN) (Model 470)



027 801 Epoxy bodied cell K=0.1 (mini-DIN) (Model 470)



027 802 Epoxy bodied cell K=10 (mini-DIN) (Model 470)



027 233 Epoxy bodied waterproof cell K=1 (Model 4150)

027 235 Epoxy bodied waterproof cell K=0.1 (Model 4150)

027 236 Epoxy bodied waterproof cell K=10 (Model 4150)



027 237 Glass bodied waterproof cell K=1 (Model 4150)



540 520 Full range conductivity probe with ATC (Model 4200)

