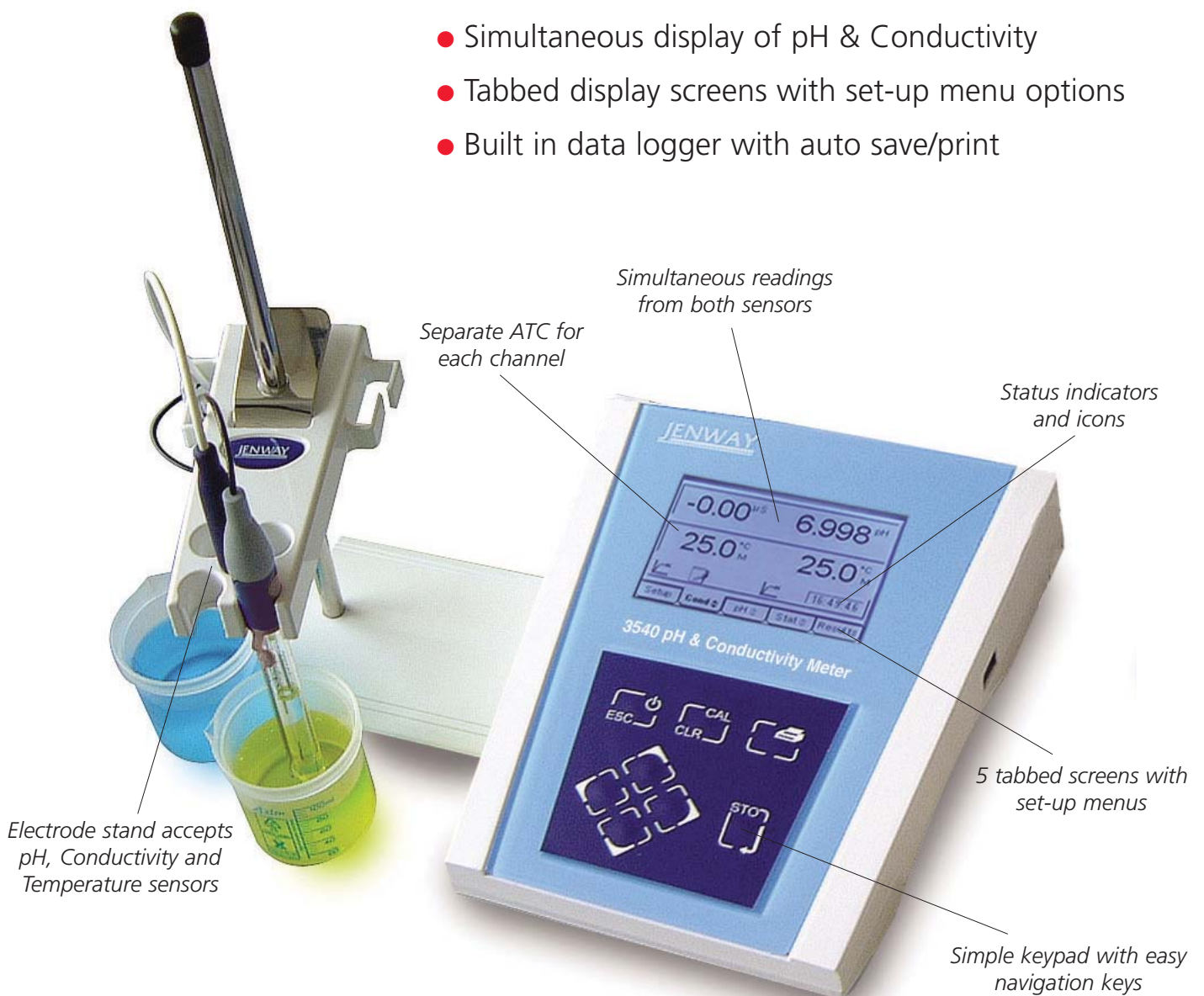


3540 pH/Conductivity Meter

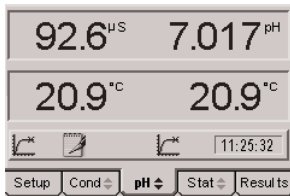
- Simultaneous display of pH & Conductivity
- Tabbed display screens with set-up menu options
- Built in data logger with auto save/print



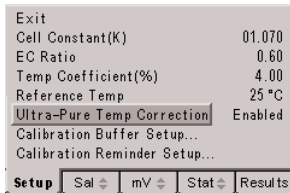
- Additional modes for Resistivity, Salinity, TDS & mV
- Automatic or manual calibration options
- Two independent channels (e.g; pH &/or Conductivity)

The Model 3540 is ideal for use in water testing applications and in all laboratories where pH and conductivity analysis is required. It offers a space saving and flexible approach to the measurement of these two parameters.

The bright back lit LCD has five separate tabbed screens, each accessed with the simple navigation keys. The set-up menu gives quick and easy access to the wide range of instrument, pH and conductivity measurement options.



The conductivity channel has a special ultra-pure water function which enables the ideal temperature compensation algorithm for this exacting application. Other modes of operation enable Resistivity, Salinity and TDS measurement. The pH channel can also display mV values to 0.1mV resolution, enabling ORP/Redox measurements to be made.



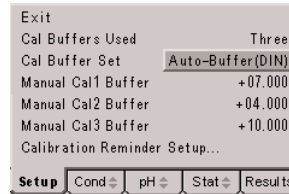
The in-built data logger can store up to 250 pH and conductivity readings based on manual or automatically timed triggers, as well as from stability and alarm status. Logged results can either be sent to the internal memory or via the RS232 serial port to the optional printer. The comprehensive GLP functions include calibration reminders and status tracking, operator and sample ID management and a supervisor security code for all set-up options.



Order Codes

- 354 001 Model 3540** supplied with glass combination pH electrode, glass conductivity probe with ATC K=1, electrode stand and holder, ATC probe, BNC shorting plug, pH 4, 7 and 10 buffer sachets, UK power supply and operating instructions
- 354 101 Model 3540** supplied as above with US power supply
- 354 201 Model 3540** supplied as above with European power supply
- 354 301 Model 3540** supplied as above with 230V leaded power supply

Calibration of both the pH and conductivity channels is automatic, with the option to select 1, 2 or 3 calibration points for each. Automatically recognised pH buffers conforming to the NIST, DIN and JIS standards can be overridden by manually entered values, as can the 4 automatically recognised conductivity standards. An option to calibrate the conductivity channel to a cell constant is also included for quick and simple conductivity measurements.



Technical Specifications

pH	
Range	-2.000 to 20.000pH
Resolution / Accuracy	0.001, 0.01, 0.1 selectable / ±0.003pH
mV (Absolute or Relative)	
Range	-1999.9 to +1999.9mV
Resolution / Accuracy	0.1mV / ±0.2mV
Input Impedance	>10 ¹² ohms
Calibration	1, 2 or 3 point
Auto buffer recognition	Jenway, NIST, DIN, JIS
Manual buffer recognition	Any value entered within the range
Conductivity	
Range	Auto ranging from 0.01µS to 1.999S (19.99S with X10 probe)
Resolution	0.01µS to 1mS (0.01S with x10 probe)
Accuracy	±0.5% ±2digits
Calibration	1, 2 or 3 points
Auto standard recognition	10µS, 84µS, 1413µS, 12.88mS
Manual standard recognition	Any value entered within the range or by cell constant value (K factor)
Reference Temperature	18, 20, 25°C
Temperature Coefficient	0 (off) to 4% / °C
Temperature (for each channel)	
Range	-10 to 105°C (14 to 221°F)
Resolution / Accuracy	0.1°C (1°F) / ±0.5°C (±1°F)
MTC / ATC Ranges	0 to 100°C (32 to 212°F)
Outputs	RS232 Serial, Analogue and alarms
Clock	Time (24 hour) and date
Memory	250 readings (pH with Conductivity)
Data Logging	Timed, stability and Alarm level triggers with output to internal memory or printer/computer
GLP	Calibration reminder (1 to 999 hours) Operator and sample ID Security code protection for set-up
Display	Back lit 1/8 VGA LCD
Power	9V ac from 230/110V mains adapter
Size / Weight	210 x 250 x 55mm / 850g



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