

# 8100 Plus pH meter

## pH & temperature meter

- robust waterproof case offering IP66/67 protection
- manual/automatic temperature compensation
- easy to use 2-point re-calibration function
- 2 year guarantee

The 8100 Plus pH meter is a three-in-one instrument that features a large easy to read, LCD display that indicates pH over the range of -2 to 16 pH with a resolution of 0.01 pH, mV over the range of -1000 to 1000 mV and temperature over the range of -39.9 to 149.9 °C with a resolution of 0.1 °C. The LCD display features both low battery indication and a user selectable backlight.

The pH readings are either manually or automatically temperature compensated over the range of 0 to 100 °C. To automatically compensate, it is necessary to utilise a thermistor temperature probe. Each unit incorporates an auto-power off facility that automatically turns the instrument off after ten minutes, maximising battery life.

The 8100 Plus has an integrated rubber seal to ensure complete water resistance and helps to reduce the possibility of damage in harsh environments. At the touch of a button, the instrument will automatically re-calibrate (two-point autocal) itself when used in conjunction with pH buffer solutions. For pH electrodes, buffer solutions and capsules, see overleaf.

Each unit incorporates an easy to use BNC connector and Lumberg screw-locking type connector, allowing a wide range of interchangeable thermistor probes to be used. We offer an extensive range of temperature probes, see pages 68 and 69 for full details.

The 8100 Plus is available as a meter only or as a complete kit.



order code	description	
225-085	8100 Plus pH meter*	
860-820	8100 Plus kit	
170-100	temperature probe	
830-231	silicone boot - white	
832-050	s/steel wall bracket & boot	

\*8100 Plus is exclusive of pH electrode & probe



(823-501)

(170-100)

### 8100 Plus pH meter kit

- 8100 Plus pH meter (225-085)
- temperature probe (170-100)
- general purpose pH electrode (823-501)
- 4.01 pH buffer solution (816-050)
- 7.00 pH buffer solution (816-051)
- carrying case (830-080)



specification	pH	mV	temperature
range	-2 to 16 pH	±1000 mV	-39.9 to 149.9 °C
resolution	0.01 pH	1 mV	0.1 °C
accuracy	±0.02 pH	±1 mV	±0.4 °C (-10 to 70 °C)
battery	3 x 1.5 volt AAA		
battery life	maximum 5 years (2500 hours)		
sensor type	combination electrode / thermistor		
display	12 mm LCD		
dimensions	32 x 71 x 141 mm		
weight	230 grams		