

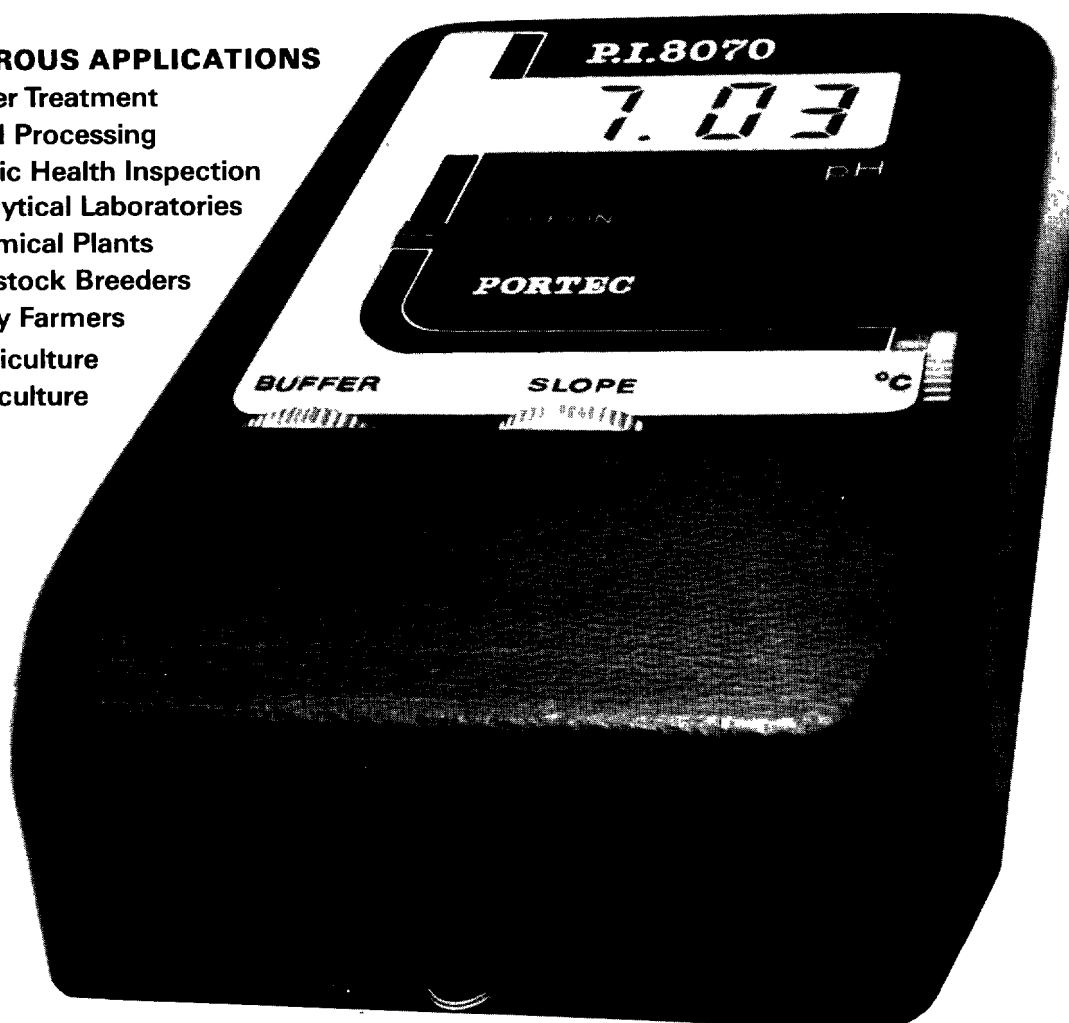
PORTEC INSTRUMENTATION INTRODUCE THE

146880/1/2

P.I.8070 DIGITAL pH METER

NUMEROUS APPLICATIONS

- * Water Treatment
- * Food Processing
- * Public Health Inspection
- * Analytical Laboratories
- * Chemical Plants
- * Livestock Breeders
- * Dairy Farmers
- * Horticulture
- * Agriculture



Portable

Tough ABS chemical resistant case

Clear 12.7 mm L.C.D.

High Resolution and accuracy

Low Profile standardisation controls

Automatic low battery warning

Extended Battery Life

Simple standardisation facility

Designed for use with most
combination electrodes

Options available for antimony and
separate glass reference electrodes

Standard BNC connector
for maximum electrode
interchangeability

SPECIFICATION

(at 23°C ambient temperature unless stated)

Range: 0.00 to 14.00 pH

Resolution: 0.01 pH

Repeatability: ± 0.02 pH

Accuracy: (Specific, standardisation to ± 0.01 pH, Buffer and measured solution at same temperature)
 ± 0.03 pH

Accuracy: (General, standardisation to ± 0.01 pH temperature of measured solution set to $\pm 2^\circ\text{C}$)
 ± 0.08 pH

Range of electrode temperature compensation (manual): 0 to 90°C

Ambient temperature range (operating): -10 to +50°C

Slope Control Range: 105% to 65%

Input Current: 1 pA (Typical) 10 pA (Max)

Input Resistance: $10^{12} \Omega$ (Typical) $10^{11} \Omega$ (Min)

Low Battery Indication: 'BAT'

Display: 12.7 mm high L.C.D.

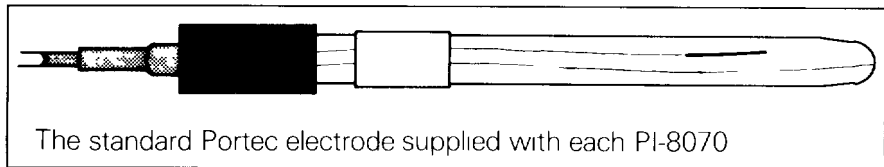
Battery: 9 volt PP3, MN 1604, TR 146X, IEC Designation 6F22

Battery Life: 600 Hours typical (MN 1604)
360 Hours typical (PP3)

Instrument Case: ABS

Dimensions: 130 x 80 x 30 mm

Weight: 175 grams (including battery)



The standard Portec electrode supplied with each PI-8070

Specification of electrode

Electrode type: Combination glass electrode

E_0 Value: 7 pH ± 1 pH

Isopotential: 7 pH

(Instrument available for use with E_0 2 pH electrodes on request)

Membrane Resistance: $< 1000 \text{ M} \Omega$

Connector: International BNC

(separate connector for reference electrodes, optional extra)

Instrument comes complete with general purpose electrode

Optional Accessories

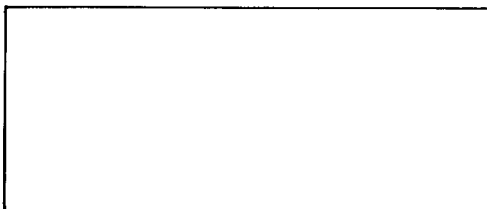
Buffer tablets 4, 7 and 9.2 pH for electrode standardisation

Carrying case

PVC Protective wallet

A full range of combination electrodes to suit most applications is available on request

As part of our continuous development we reserve the right to alter any part of the above specification without prior notice



**PORTEC
INSTRUMENTATION
LIMITED**

3-5 George Street West Luton LU1 2BJ Beds Tel (0582) 32613