

### GENERAL

The Caproco Portable Hydrogen Pressure and Temperature (HPT) Analyzer / Data Logger, when connected to a hydrogen probe, is designed to measure the level of hydrogen present in a system. It can be used manually to provide an instant measurement of the hydrogen levels, or can act as a data logger, storing information until it is uploaded directly to a personal computer, without the need for an interface unit.

The Caproco HPT Analyzer utilizes modern digital electronic techniques to provide greater sensitivity, reliability and accuracy. The unit incorporates self check facilities for batteries and measurement integrity, which may be monitored as required. Direct readout is given on a digital LCD.

The HPT Analyzer / Data Logger offers field functionality, such as:

- automatic date and time recording per reading (based on internal clock)
- data display of: pressure (in psi), temperature (in °C) and the ratio of pressure to temperature (in psi per Kelvin)
- recording capability at pre-programmed time intervals
- memory capacity up to 900 readings
- rechargeable Ni-Cad Battery Pack to avoid memory loss

Probe data can be downloaded to a personal computer in comma delimited ASCII file format, which can then be reviewed. Results provided by the HPT Analyzer can be exported to common spreadsheet programs, such as Excel® or Lotus 123®, for further analysis.

### SPECIFICATIONS

The HPT Analyzer / Data Logger is CSA Approved and is Intrinsically Safe (*Class I, Div.1, Groups A, B, C, D, Temperature Code T4A.*) The kit comes complete with a 110 or 220 VAC Battery Charging and Downloading Cable, Probe Extension Cable, Instruction Manual and a Rugged Lightweight Carrying Case. An optional lockable weatherproof enclosure is also available.

The HPT Analyzer / Data Logger can only be used with the Caproco hydrogen probe with electronic measuring head (P/N 13934).



## HPT ANALYZER / DATA LOGGER KIT P/N 13434

### SPECIFICATIONS

DISPLAY	2 Line, 16 Character LCD
RESOLUTION	±0.1°C ±0.1 psi ±0.001 p/t
TEMPERATURE	-22°F to +158°F -30°C to +60°C
Pressure (Hydrogen Detection Range)	0 - 50 psig (345 kPag)
POWER SUPPLY	Rechargeable Ni-Cad Internal Battery
DIMENSIONS	6" x 3" x 1.5" (overall) (15cm x 8cm x 4cm)
WEIGHT	1.0 lbs (0.45 kg)

### AVAILABLE OPTIONS

Item	Part Number
HPT RS-232 Download Cable (9 pin)	53252
Charging Cable with:	
110 VAC Power Supply	53279
220 VAC Power Supply	53278
Automobile Lighter Adaptor Cable	53213
Lockable Weatherproof Enclosure (Optional)	
Steel (NEMA 12)	53260
Steel (NEMA 4)	53262
Stainless Steel (NEMA 4)	53264
Fiberglass (NEMA 4X)	53261