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## POCKET H2

### For Portable Detection / Dosimetry of Hydrogen Models 300 and 300 PRO

Size:	2.66 x.1.40 x 0.61 inches (67.6 x 35.6mm x15.5 mm)
Weight:	< 1 ounce (28 grams)
Range:	0.0-5.0 % H2
Response time:	< 90 seconds to 90%
Operating temperature:	32-105 F, 0-40 C displayed.
Pressure effects:	Reading decreases with decreasing pressure, down to 70% at 10,000 ft
Humidity limits:	15-85% RH, non-condensing
Alarms: (82 dB buzzer @ 24 in, LED, Backlight, Vibrator)	First alarm at or above 0.4%. Second alarm at or above 0.8%. Third alarm at or above 1.6%. Temperature above 50°C / 122°F: "HOT" displayed Temperature below 0°C / 32°F: "COLD" displayed Low battery warning: "BATT" displayed and buzzer sounds briefly.
Sampling method:	Gaseous diffusion.
Interferences:	None significant.
Periods of Operation:	"12-Hour" and "Always On"
Display:	Digital LCD with backlight in increments of 0.05%.
User interface:	Single button operation.
Dosimetry (12-Hour Detection period only):	Calculates and records: Maximum exposure (ppm), time of max exposure (minutes since turned on), total exposure in ppm-hours, 8-hour time weighted average (TWA).
Data & Event Logging	<i>PRO</i> model only. 100 hours of measurements logged at 1x per minute. Logging rate configurable up to 12x per minute. Event logging also available during operation. Logged data downloadable to PC via <i>SmartPocket</i> USB device, and Windows software.
Tests:	Self-Test on startup checks circuitry, alarms, battery, and operating temperature. Does not check sensor.
Calibration:	Recommended at least 1x per year, or whenever accuracy of reading is critical.
Sensor:	Transducer Technology T-Series electrochemical.
Battery information:	Battery check on startup and during operation. User replaceable CR2450 coin battery.
Warranty:	One year (excluding battery)