



THERMO

Prod # 1550

680 Portable Hydrocarbon Vapour Meter

The **THERMO 680 Flame Ionization Detector (FID)** allows for the detection of most organic vapours. The THERMO 680 sits comfortably out of your way in a rugged custom backpack. The pistol-grip control panel provides simple, safe operation of the FID and displays readings over the 0 -50,000 ppm concentration range.

Features:

- Backpack-mounted FID unit
- Handheld control unit with keypad & LCD for one-hand operation
- Quick-change probes
- Built-in datalogger
- Internal rechargeable battery
- Hydrogen sensor and flow indicator to track hours of fuel remaining

Typical Applications

- Fugitive emissions surveys
- Gas line leak detection
- Industrial hygiene / IAQ surveys

Standard Accessories: - external battery charger

Specifications:

Detector : Flame Ionization Detector (FID) utilizing internal hydrogen cylinder and the air sample as source of combustion air
 Readout: Concentration; message display; calibrated bar graph; and status of flame, battery, hydrogen pressure, & concentration exceedance



**Intrinsic Safety - Factory Mutual (FMRC)
 Class 1, Division I
 Group A,B,C,D**

Min. Detectable: 0.5 ppm methane in air

<u>Range</u>	<u>Resolution</u>
0 - 100 ppm	0.1 ppm
0 - 50,000 ppm	1 ppm

Power	: Internally rechargeable battery : 10 hours per charge with 110/220 VAC charger
Communications	: 0-1V analog signal via RS-232 port
Dimensions	: Case 32 cm x 29 cm x 6.5 cm (12.5" x 11.5" x 2.6")
Weight	: Pack 4.8 kg (10.5 lb.) : Control 336 g (12 oz.)