

# 2548H Fuel Quantity Tester

## General Information:

The 2548H Fuel Quantity Test Set is a universal tester for AC Capacitance type systems. It is OEM accuracy and safety approved and requires no external power. It meets or exceeds the range, accuracy and safety requirements for fuel quantity systems up to 1000 pF and is designed to operate with guarded capacitance type systems. The tester can measure and simulate tank capacitance from 0.1 to 999.9 pF. It can measure insulation breakdown from 50 KW to 5000 M.W with an accuracy of  $\pm 5\%$  of reading nominal. The 2548H is a small, self-contained, battery powered, analog test set which can measure system insulation, capacitance, and simulate current to drive mA style indicators. The unit is small enough to use in confined places but accurate enough to use as a bench tester.



The 2548H comes in a standard configuration including a two terminal megohmmeter but the unit is also available in a guarded three terminal megohmmeter when ordered with Option B. A standard lead package providing all the accessories required to adapt any aircraft fuel quantity adapter cable to the test set is provided. This unit in conjunction with the appropriate Adapter Cable interface (pages 45-54), provides the operator with a complete fuel quantity test system.

The model 8000 Fuel Quantity Test Set is identical to the 2548H specifications and appearance with the exception of being able to measure and simulate tank capacitance's from 0.1 to 7999.9 pF and having a standard three terminal megohmmeter. A 115 VAC or 220 VAC AC Power Pack may be substituted for the battery pack when ordering a new Barfield 8000.

## Features:

- Measures capacitance of individual or interconnected tank units or unit simulators
- Measures insulation resistance of wiring, tank units, or other discrete components
- Simulates capacitance representative of empty, partially full or full tank units or systems
- Low battery drain circuitry
- 0.1 pF resolution throughout range
- 2 terminal megohmmeter with 6 selectable test points
- 3 terminal megohmmeter (optional on 2548H)

## Dimensions

	In.	cm.
Height	5.3	13.5
Width	12.2	31.0
Depth	10.4	26.4
	lbs.	kg
Weight	7.0	3.2

## Options and Accessories

Option B:	Guarded 3 Term. Megohmmeter (2548H)
101-00702 115	VAC 50-400Hz, AC Power Pack*
101-00703 230	VAC 50-400Hz, AC Power Pack*
194-00021	Test Set Carrying/Shipping Case
101-00401	Accessory Lead Package for 2548H (Included with all new 2548H units)
101-00541	Accessory Lead Package for 8000 (Included with all new 8000 units)

\*(Replaces Battery Pack Directly)