NSN 4920-21-897-7635

BARFIELD

DC400 / DC400A DIGITAL FUEL QUANTITY SYSTEM TEST SET

FEATURES:

- Completely self-contained "DC" capacitance fuel quantity test system.
- Direct digital LCD readout of probe capacitances.
- Interchangeable aircraft interface module.
- Digital readout of quantity system output in (volts, lbs, ratio, etc.)
- Provisions for bench-testing of system components.
- Battery operated.

DIMENSIONS

	In.	cm
Height	5.3	13.5
Width	12.2	31.0
Depth	10.4	26.4
	lbs.	kg
Weight	4.5	2.0

(without module)

GENERAL INFORMATION: DC400 / DC400A

The compact and lightweight DC400(A) is a complete fuel quantity system test set for use on aircraft that have probes with integral diode rectification, commonly called "DC" fuel quantity systems.

Interchangeable adapter modules customize the DC400(A) to interface directly with specific aircraft without the use of an external adapter cable. The digital monitor function monitors the fuel quantity indicator/signal conditioner output directly in pounds, volts, ratio, etc., depending on the module.

DC400

DISPLAY	3½ digit LCD 0.5" character height
OPERATING TEMPERATURE RANGE	Specifications applicable between 0° and 50°C.
MONITOR Display:	Ratiometric (E_{in}/E_{ref} x 1000) Specified by plug-in module (Volts, Pounds, Ohms, Current, etc.)
Range:	0 to 1999
Accuracy:	± .001 Ratiometric
Linearity:	± 1 Count
CAPACITANCE MEASUREMENT Range:	0 to 200pF in 0.1pF increments 0 to 1000pF in 1pF increments
Accuracy:	± .1% of Range + 1 Digit
Excitation:	Nominally 20v r.m.s. at 6 KHz
CAPACITANCE SIMULATOR Range:	0 to 400pF, infinite resolution
Accuracy:	Settable to the accuracy of Capacitance Measurement Function
INPUT POWER Battery:	1 ea. 9V NEDA 1604A self contained battery (Transistor radio type)
Drain:	100 hours of operation typical

Specifications subject to change.

DC400A

DISPLAY	4½ digit LCD 0.4" character height
OPERATING TEMPERATURE RANGE	Specifications applicable between 0° and 50°C.
MONITOR Display:	Ratiometric (E_{in}/E_{ref} x 10000) Specified by plug-in module (Volts, Pounds, Ohms, Current, etc.)
Range:	0 to 19999
Accuracy:	± .1% of Range
Linearity:	± 2 Counts
CAPACITANCE MEASUREMENT Range:	0 to 199.99pF in 0.01pF increments 0 to 1000.0pF in 0.1pF increments
Accuracy:	± .1% of Range + 2 Digits
Excitation:	Nominally 20v r.m.s. at 6.25 KHz
CAPACITANCE SIMULATOR Range:	0 to 400pF, infinite resolution
Accuracy:	Settable to the accuracy of Capacitance Measurement Function
INPUT POWER Battery:	8 ea. 1.5V NEDA 15A self contained batteries
Drain:	200 hours of operation typical

Specifications subject to change.