

Comparison of DFQ40K and 2548H Test Sets

- 1) DFQ40K is microprocessor based, softkey menu driven test set with a large multiline backlit graphics display
2548H is non-microprocessor based, mechanically switched, non-backlit, analog meter based device
- 2) DFQ40K has auto-ranging Low Resistance Measurement in 2 and 4-wire (40.000Ω, 400.00Ω, 4.0000KΩ, 40.000KΩ)
2548H has no capability
- 3) DFQ40K measures DC Voltage from 0.001 to 40.000VDC
2548H has no capability
- 4) DFQ40K can perform Shield Monitor measurement for aircraft which are so equipped
2548H has no capability
- 5) Insulation measurement is auto-ranging with 5x resolution and 4x range (40.00MΩ, 400.0MΩ, 4,000MΩ, 20GΩ)
2548H has 2 ranges (50MΩ, 5000MΩ)
- 6) Capacitance measurement is auto-ranging with 10x resolution and 40x range (400.00pF, 4,000.0pF, 40,000pF)
2548H has 1 range (999.9pF) and requires a manual nulling operation to measure capacitance
- 7) DFQ40K has Distance To Fault (DTF) feature with units of pF, feet or meters to help locate HI-Z wiring problems
2548H has no capability
- 8) DFQ40K has a direct keypad entry for setting Tank and Comp capacitance simulators
2548H requires manual adjustment using a combination of thumbwheel switches and variable capacitors
- 9) DFQ 40K has programmable frequency capability from 400Hz to 10,000Hz
2548H has a single frequency
- 10) With new Smart Cables provides ATE capabilities with full backward compatibility for all existing Barfield cables
2548H has no ATE capabilities
- 11) DFQ40K has automatic power on Self-Test with prompts for faults insuring operational readiness
2548H has no capabilities
- 12) DFQ40K uses 6 long lasting "C" size batteries with bar graph of the remaining battery life
2548H requires 4 each 9 volt batteries and user must test manually to determine state of readiness
- 13) DFQ40K has much wider operating temperature range of -25 to +55 Deg C
2548H range is limited from 0 to +40 Deg C

Comparison of DFQ40K and 8000 Test Sets

- 1) DFQ40K is microprocessor based, softkey menu driven test set with a large multiline backlit graphics display
Model 8000 is non-microprocessor based, mechanically switched, non-backlit, analog meter based device
- 2) DFQ40K has auto-ranging Low Resistance Measurement in 2 and 4-wire (40.000Ω, 400.00Ω, 4.0000KΩ, 40.000KΩ)
Model 8000 has no capability
- 3) DFQ40K measures DC Voltage from 0.001 to 40.000VDC
Model 8000 has no capability
- 4) DFQ40K can perform Shield Monitor measurement for aircraft which are so equipped
Model 8000 has no capability
- 5) Insulation measurement is auto-ranging with 5x resolution and 4x range (40.00MΩ, 400.0MΩ, 4,000MΩ, 20GΩ)
Model 8000 has 2 ranges (50MΩ, 5000MΩ)
- 6) Capacitance measurement is auto-ranging with 10x resolution and 40x range (400.00pF, 4,000.0pF, 40,000pF)
Model 8000 has 1 range (7,999.9pF) and requires a manual nulling operation to measure capacitance
- 7) DFQ40K has Distance To Fault (DTF) feature with units of pF, feet or meters to help locate HI-Z wiring problems
Model 8000 has no capability
- 8) DFQ40K has a direct keypad entry for setting Tank and Comp capacitance simulators
Model 8000 requires manual adjustment using a combination of thumbwheel switches and variable capacitors
- 9) DFQ 40K has programmable frequency capability from 400Hz to 10,000Hz
Model 8000 has a single frequency
- 10) With new Smart Cables provides ATE capabilities with full backward compatibility for all existing Barfield cables
Model 8000 has no ATE capabilities
- 11) DFQ40K has automatic power on Self-Test with prompts for faults insuring operational readiness
Model 8000 has no capabilities
- 12) DFQ40K uses 6 long lasting "C" size batteries with bar graph of the remaining battery life
Model 8000 requires 4 each 9 volt batteries and user must test manually to determine state of readiness
- 13) DFQ40K has much wider operating temperature range of -25 to +55 Deg C
Model 8000 range is limited from 0 to +40 Deg C