

BARFIELD TT-1000A VS BARFIELD 2312G

The BARFIELD TT-1000A and 2312G-8 Turbine Temperature Test Sets are both capable of performing three major functions:

- 1) Measure system lead resistance to 0.01 Ω resolution.
- 2) Measure insulation breakdown using 45 VDC excitation
- 3) Simulate thermocouple output for indicator run outs

The TT-1000A however has numerous advantages,

- 1) Digital display vs analog for 2312G.
- 2) It can measure temperature and be used as a master indicator.
- 3) TT-1000A may be used with many different lead resistance systems vs the 2312G being exclusive to a particular one, 8 Ω , 15 Ω , 22 Ω or 25 Ω .
- 4) Temperature accuracy 5 times greater, 1 $^{\circ}$ C vs 5 $^{\circ}$ C for 2312G.
- 5) Automatic cold junction compensation vs having to measure ambient temperature then physically off-setting 2312G meter adjustment.
- 6) Operating instructions on placard in lid for easy reference.
- 7) TT-1000A temperature range can be extended to 1200 $^{\circ}$ C (OPT D).
- 8) It can be modified (OPT's A & B) for use with interface cables designed for easy hookup and test of GE engines.

The TT-1000A is a SUITABLE REPLACEMENT for the 2312G in all applications.

The TT-1000A may be considered a superset of the 2312G and is usable on a much greater variety of aircraft.