

TEST CELL CAPABILITIES = PAPUT™ (SHERWOOD PORTABLE APU TESTER)

TROUBLESHOOT ENGINES ON AIRCRAFT

Turn a tablet into a test cell. Connect the black box between the APU and Tablet (as depicted in diagram below) to receive test cell level diagnostics. Track the .csv (Excel) files over time to show trend analysis to assist in predictive maintenance.



15 MINUTE HOOK UP
 FOR FULL DIAGNOSTIC TEST ON
EXHAUST GAS TEMPERATURE,
 RPM, Main Volts, Ambient Temperature,
 Atmospheric Pressure, Air Pressure,
 Fuel Pressure, Oil Pressure

BENEFITS
 Avoid catastrophic failure
 Troubleshoot issues that arise
 Fault determination
 Wireless connectivity available in 2017
 Panasonic TOUGHPAD included



Step #1

Connect Signal Analyzer Unit to APU/ECU

Step #2

Connect USB to Tablet

Step #3

Run data logging acquisition system

Step #4

Record, monitor, & analyze long term APU performance by engine serial number

CAGE CODE **3EM37**

98%¹ TIME SAVING



70%² WEIGHT REDUCTION



Signal Analyzer Unit

State-of-the-art electronics developed over twenty years of gas turbine OEM engine experience has enabled a revolutionary system in a traditional environment. Diagnostics and troubleshooting are easily accomplished, which puts test cell capability right in your hand. The module reads and analyzes all signals between the engine and ECU, and displays the values on your tablet in real time; which can be exported as .csv files for creating graphs that visually depict engine health.

Calibration cycle is once per year at Sherwood facility.

Easy to use and Affordable

- Troubleshoot your engines while on the aircraft.
- Eliminate the guesswork Find problems that may not even be in your APU (e.g. aircraft harness issues).
- Carry onboard the aircraft to avoid engine related AOG,
- Monitor the engine condition to avoid unscheduled maintenance and failures.
- Well developed technological roadmap through 2020.

PART NUMBER	APU	Platforms
SA709071-100	GTC85-71A	C-130
SA709085-100	GTCP85-180L	C-130
SA709085-100(L)	GTCP85-185L	L-100
SA709085-200	GTCP85-185L[A]	C-130J
SA709085-300	GTCP85-180L/-185L[A]	C-130
SA709095-100	GTCP95-2	P-3
SA709095-200	GTCP95-3/-10	P-3
SA709095-300	GTCP95-2/-3/-10	P-3
SA709036-100	GTCP36-150[BH]	H-60
SA709062-100	T-62T-40-1	H-60
SA709062-200	T-62T-2B	CH-47
SA7090331-200	GTCP331-250G	C-17

¹ compared to APU removal and run in test cell, ² compared to analog tester