

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 and preventative 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 malfunctions
 Fault determination
 Panasonic TOUGHPAD included
 Reduce environmental impact



Step #1

Connect Signal Analyzer Unit to APU/ECU

Step #2

Connect USB to Tablet

Step #3

Run data logging acquisition system

* Recently added HR I, HR II, Starter on Indicator Lights

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 enabled a revolutionary system in a traditional environment. Diagnostics and troubleshooting are easily accomplished, which puts test cell capability in your hand. The module reads and analyzes all signals between the engine and APU/EPU 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 APU while on aircraft.
- Eliminate the guesswork. Find problems outside of your APU (e.g. aircraft harness issues).
- Carry onboard the aircraft to avoid engine related AOG
- Monitor engine condition to regularly predict impending faults.

HONEYWELL PART NUMBER	SHERWOOD PART NUMBER	APU/Application	APU PART NUMBER	Platforms
N/A	SA709071-100	GTC85-71A	N/A	C-130
79001742-1	SA709085-100	GTCP85-180L	381116-1-X/ 381116-3	C-130
N/A	SA709085-100(L)	GTCP85-185L	N/A	L-100
79001742-2	SA709085-200	GTCP85-185L[A]	3800599-X	C-130J
79001742-3	SA709085-300	GTCP85-180L/-185L[A]	381116-1-X/ 381116-3/ 3800599-X	C-130
79001742-6	SA709095-100	GTCP95-2	381258-X	P-3
79001742-7	SA709095-200	GTCP95-3/-10	381250-X/ 3800730-X	P-3
N/A	SA709095-300	GTCP95-2/-3/-10	N/A	P-3
79001742-4	SA709085-400	GROUND CART	380834-X	GPU CART
79001742-5	SA709036-100	GTCP36-150[BH]	3800488-X	H-60
N/A	SA709062-100	T-62T-40-1	N/A	H-60
N/A	SA709062-200	T-62T-2B	N/A	CH-47
N/A	SA7090331-200	GTCP331-250G	N/A	C-17

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

*Power by the hour contracts available (tester included)