

CH-47 D/F FCTS

CH-47 D/F FADEC Continuity Test Set

An UxValidator™ Series II Pod Set

On-Aircraft Testing

- Captures the state of the full 18-point FADEC wiring system in minutes – no more error-prone pin-by-pin probing or evidence loss and fragmentation
- Real-time pin pair test & measure capability
- Preserves the connected system state before stepwise handling fragments the evidence
- Complete FADEC wiring system analysis – pin pair, back shells, grounds, and shields
- FADEC control panel analysis including switches
- ECL control panel analysis including micro switches
- Separates engine from airframe systems for easier troubleshooting
- Analytics identify changes in wiring systems
- Scans and analyzes each connector in under 3½ minutes; full FADEC scan in about 45 minutes
- Pairs with the CH-47 ETTS for total torquemeter system coverage
- Requires the UxValidator Series II

FADEC Continuity Test Set

The CH-47 FADEC Continuity Test Set provides a bulk-measurement path in place of one-pin-at-a-time DMM checks across the FADEC wiring system. Used with the UxValidator Series II, the FCTS PET Scanner captures the connected electrical state through a powered-down passive scan, preserving the system condition before stepwise measurement begins to fragment the evidence.

Real-time pin pair test and measure capability supports focused follow-up where the bulk scan flags an outlier. Testing requires no aircraft electrical power, operates in static state, and fits inside the electrical integrity check the maintainer is already required to perform.

It's more than wires. The PET Scanner captures thousands of passive electrical measurements, through LRU, in the fully connected system. Together, these measurements form a dynamic and useful state of condition in which any particular outlier becomes the accurate and actionable intelligence necessary to increase readiness, safety, and savings.



Size and Weight (INCHES / POUNDS)

CH-47 D/F FCTS POD SET			
WIDTH	HEIGHT	DEPTH	WEIGHT
14	7	14.25	18

UxValidator™ Technology

The UxValidator presents condition evidence at its source – clean stimulus, clean response, decisions made from what the aircraft actually shows. The UxValidator family of test solutions preserves maintainer authority by surfacing evidence inside existing procedures, not by replacing them.

FCTS Set Parts and Descriptions

PART NUMBER	NSN	DESCRIPTION
11-0614-00	4920-01-664-5523	CH-47F FCTS
23-0300-00	N/A	CH-47D FCTS