

Intermittent Fault Emulator

The IFE simulates intermittent conductive path faults to mimic those encountered when testing wiring harnesses and Line Replaceable Units.

It provides the means to carry out standardised performance evaluation of multi-channel intermittent fault detection diagnostic equipment. This means that when procuring intermittency testers customers can now make evidence-based decisions about the testers' capability & performance.

The IFE can also be used to set-up and/or calibrate intermittency testers.



Features

- Available with 256, 128 or 64 output test channels that simulate databus and nodal architecture found in LRUs
- Controlled by Graphical User Interface software application hosted on Windows OS
- Users can select pseudo-random event sequences or create user-defined event parameters and sequences
- Fault parameters selectable from 4Ω to 499KΩ and from 100 nano-seconds to continuously held fault condition
- Simulates 'burst' conductive path faults at up to 5MHz pulses
- Simulated fault sequences can be created, run, saved, repeated, exported and locked
- Displays the type, frequency, duration, amplitude and location of all target faults currently being emulated
- External connector options are MIL-DTL-38999 series or commercially available IDC connectors
- Supplied with storage & transportation container
- Cleared for use between 15°C and 40°C
- Size 214mm x 204mm x 454mm
- Weight 5.2 Kg

Start Time (secs)	Profile	Channel	delta T (usec)	Burst Length (pulses)	Burst interval (usec)	Active
0	F2	6	0	1	1	<input checked="" type="checkbox"/>
15	K3	61	0	1	1	<input checked="" type="checkbox"/>
18	B3	182	0	1	1	<input checked="" type="checkbox"/>
34	B3	163	0	1	1	<input checked="" type="checkbox"/>
40	J4	118	0	1	1	<input checked="" type="checkbox"/>
49	H4	250	0	1	1	<input checked="" type="checkbox"/>
56	T2	156	369	1	1	<input checked="" type="checkbox"/>
69	L1	214	0	1	1	<input checked="" type="checkbox"/>
78	G4	156	0	1	579	<input checked="" type="checkbox"/>
84	I2	209	0	1	1	<input checked="" type="checkbox"/>
90	A1	59	256	1	1	<input checked="" type="checkbox"/>
102	A1	99	447	1	1	<input checked="" type="checkbox"/>
115	L4	185	0	1	1	<input checked="" type="checkbox"/>
119	L4	42	0	1	1	<input checked="" type="checkbox"/>
128	R4	237	165	1	1	<input checked="" type="checkbox"/>



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