

Electrical Calibration Workload Matrix

FLUKE®

Calibration

	Multi-Product Calibrators				Multifunction Calibrators		Oscilloscope Calibrators	Electrical Tester Calibrator	Power Standards		Precision Process Calibrators	
Workload	5080A	5502E	5502A	5522A	5700A	5730A	9500B	5320A	6100B	6105A	525B	7526A
Analog/panel meters												
High burden meters												
Low burden meters								V dc & V ac			V dc, I dc & R	V dc, I dc & R
DMMs												
Basic dc V accuracy	100 ppm		50 ppm	11 ppm	6.4 ppm	3.5 ppm	n/a	0.10 %	112 ppm	42 ppm	40 ppm	40 ppm
3.5 digits (typ. ± 0.3 % dc V)								V dc & V ac			V dc, I dc & R	V dc & V ac
4.5 digits (typ. ± 0.025 % dc V)												
5.5 digits (typ. ± 0.015 % dc V)												
6.5 digits (typ. ± 0.0024 % dc V)												
7.5 digits (typ. ± 12 ppm dc V)												
8.5 digits (typ. ± 3.9 ppm dc V)												
Temperature/pressure												
RTD simulate												
RTD measure												
Thermocouple simulate												
Thermocouple measure												
Pressure modules				opt							opt	opt
Two-wire transmitters												
Oscilloscopes												
	1-5 channels											
200 MHz to 600 MHz	200 MHz opt		300 MHz or 600 MHz opt	600 MHz opt			600 MHz std					
1.1 GHz				1 GHz opt			9510 Head opt					
3.2 GHz							9530 Head opt					
6.4 GHz							9560 Head opt					
25 ps fast edge (14 GHz)							9550 Head opt					
Safety testers												
Hipot												
Megohm meters	MEG opt											
Installation												
PATs												
Continuity	MEG opt											
Loop impedance												
Leakage current												
Ground bond												
RCD/GFCI												
Medical safety												
Power/energy												
Wattmeters												
Harmonic analyzers												
Flicker meters				PQ opt								
Phase angle meters				PQ opt								
Power analyzers				PQ opt								
Power recorders												
Secondary energy standards												
Watt-hour/energy meters												
Other												
Clamp meters					52120A Amp + COIL Opt	52120A Amp + COIL Opt						
LCR meters		RC only	RC only	RC only								
Process calibrators												
Data acquisition												
Non sine waveforms												
RF millivolt meters					30 MHz WB opt	30 MHz WB opt						
# of calibrator functions	8	9	11	11	5	5	11+	9	8	8	9	9