

Electrical Calibration Workload Matrix

FLUKE®

Calibration

Workload	Fluke Calibrators										
	Multi-Product Calibrators				Multifunction Calibrators		Oscilloscope Calibrators	Electrical Tester Calibrator	Power Standards		Temperature/Pressure Calibrator
	5080A	5502E	5502A	5522A	5700A	5720A	9500B	5320A	6100B	6105A	525B
Analog/Panel meters											
High burden meters											
Low burden meters								V dc & V ac			V dc, I dc & R
DMMs											
Basic DCV Accuracy	100 ppm		50 ppm	11 ppm	6.4 ppm	3.25 ppm	n/a	0.10 %	112 ppm	42 ppm	40 ppm
3.5 digits (typ. ± 0.3 % dc V)								V dc & V ac			V dc, I dc & R
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
Oscilloscopes	1 channel						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			
2.1 GHz								9520 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											
LCR Meters		RC only	RC only	RC only							
Process Calibrators											
Data Acquisition											
Non Sine waveforms											
RF Millivolt Meters					30 MHz opt	30 MHz opt					
# of calibrator functions	8	9	11	11	5	5	11+	9	8	8	9