

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	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										
Wattour/Energy meters										
Other										
Clamp Meters										
LCR Meters		RC only	RC only							
Process Calibrators										
Data Acquisition										
Non Sine waveforms										
RF Millivolt Meters				30 MHz opt	30 MHz opt					
# of calibrator functions	8	11	11	5	5	11+	9	8	8	9