

Electrical Calibration Workload Matrix

FLUKE®

Calibration

	Multi-Product Calibrators			Multifunction Calibrators	Oscilloscope Calibrators	Electrical Tester Calibrator	Power and Energy Calibrators and Standards			Precision Process Calibrators	
Workload	5080A	5502A	5522A	5730A	9500B	5322A	6003A	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	3.5 ppm	n/a	0.10 %	375 ppm	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. ± 0.0030 % dc V)											
7.5 digits (typ. ± 16 ppm dc V)											
8.5 digits (typ. ± 8 ppm dc V)											
Temperature/pressure											
RTD simulate											
RTD measure											
Thermocouple simulate											
Thermocouple measure											
Pressure modules			opt							opt	opt
Two-wire transmitters											
Oscilloscopes											
	1 to 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							PQ opt				
Flicker meters			PQ opt				PQ opt				
Phase angle meters			PQ opt								
Power analyzers			PQ opt				PQ opt				
Power recorders											
Secondary energy standards											
Watt-hour/energy meters							E opt				
Other											
Clamp meters				52120A Amp + COIL Opt			52120A Amp + COIL Opt				
LCR meters		RC only	RC only								
Process calibrators											
Data acquisition											
Non sine waveforms											
RF millivolt meters				30 and 50 MHz WB opt							
# of calibrator functions	8	11	11	5	11+	9	9	8	8	9	9