

Electrical Calibration Workload Matrix -1-



Fluke Calibrators Workload	Multi-Product Calibrators						Multifunton Calibrators		Oscilloscope Calibrators		Electrical Tester Calibrator	Power Standards		Temperature / Pressure Calibrator	Notes & Comments
	5080A	9100E	9100	5500E	5500A	5520A	5700A	5720A	5820A	9500B	5320A	6100B	6105A	525B	
Analog/Panel Meters															
High Burden Meters															
Low Burden Meters											VLC (Vdc/Vac only)			Vdc, Idc & R only	
DMMS															
Basic DCV Accuracy	100 ppm	60 ppm	60 ppm	50 ppm	50 ppm	18 ppm	6.4 ppm	3.25 ppm	N/A	N/A	0,10%	112 ppm	42 ppm	40 ppm	
3.5 Digits (typ. ±0.3 % DCV)											VLC (Vdc/Vac only)			Vdc, Idc & R only	
4.5 Digits (typ. ±0.025 % DCV)															
5.5 Digits (typ. ±0.015 % DCV)															
6.5 Digits (typ. ±0.0024 % DCV)															
7.5 Digits (typ. ±12 ppm DCV)															
8.5 Digits (typ. ±3.9 ppm DCV)														Application Note for Special Metrology	
Temperature/Pressure															
RTD Simulate															
RTD Measure															
Thermocouple Simulate															
Thermocouple Measure															
Pressure Modules								700 series press. mod.						525/700 series press. mod.	
Oscilloscopes															
	1 channel								1-5 channels						
200 MHz	200			250		300	300				9510				
250 MHz				250		300	300				9510				
300 MHz				600		300	300				9510				
600 MHz				600		600	600				9510				
1.1 GHz							1.1GHz				GHZ	9510			
2.1 GHz											GHZ	9530			
3.2 GHz												9530			
6 GHz												9560			
25 ps fast edge												9550			

Not possible or not applicable	
Standard available	
Only available as an option	

For scopes to 14 GHz



Electrical Calibration Workload Matrix -2-

Fluke Calibrators Workload	Multi-Product Calibrators						MultifunTION Calibrators		Oscilloscope Calibrators		Electrical Tester Calibrator	Power Standards		Temperature / Pressure Calibrator	Notes & Comments
	5080A	9100E	9100	5500E	5500A	5520A	5700A	5720A	5820A	9500B	5320A	6100B	6105A	525B	
Safety Testers															
Hipot															
Megohm meters	MEG		135												
Installation															
PATs															
Continuity	MEG		135												
Loop Impedance															
Leakage Current															
Ground Bond															
RCD/GFCI															
Medical Safety															
Power/Energy															
Wattmeters			PWR												
Harmonic Analyzers			PWR												
Flicker Meters															
Phase Angle Meters															
Power Analyzers															
Power Recorders			PWR												
Secondary Energy Standards															
Watt-hour/Energy Meters															
Other															
Clamp Meters															Could require optional 50T Coils
LCR Meters		RC only	RC only	RC only	RC only	RC Only									
Process Calibrators															Could require optional DMM
Data Acquisition															
Non Sine waveforms															Example: square, triangle, truncated sine, etc.
RF Millivolt Meters							03	03							Sinewave up to 30 MHz
# of Calibrator Functions	8	10	11	10	11	11	5	5	11+	11+	9	8	8	9	

Not possible or not applicable	
Standard available	
Only available as an option	