

Werkskalibrierung Factory Calibration

Modell / Model:	<u>Peak Tech 2755</u>
Seriennummer / Serial Number:	<u>2502025247</u>
Kalibrierdatum / Date of Calibration:	<u>27.02.2025</u>

PeakTech Messgeräte werden nach der Produktion auf technische Funktion und die Einhaltung der spezifizierten Messtoleranzen überprüft.

Wir bestätigen hiermit, daß alle PeakTech-Messgeräte ab Werk kalibriert geliefert werden und die in der Bedienungsanleitung genannten Spezifikationen erfüllen.

Für professionelle Anwender empfehlen wir die Überprüfung und erneute Kalibrierung des Messgerätes auf jährlicher Basis spätestens ein Jahr nach dem Kaufdatum bzw. je nach den geltenden Vorschriften.

PeakTech measuring devices are checked for technical function and compliance with the specified measuring tolerances after production.

We hereby certify that all of our devices are calibrated at the factory and meet all specifications listed in our documentation.

For professional users, we recommend checking and recalibrating the meter on an annual basis, no later than one year after the date of purchase or depending on the applicable regulations.

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CALIBRATION CERTIFICATE

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MODEL:Peaktech 2755 Multifunction testers

Serial Number:2502025247

Report Number:202515185

Mains Voltage Test

RANGE	INPUT	TOLERANCE					Resolution			READING			NOTE	RESULTS	STATUS
		(%+dgts)								min	to	max			
80-500V	99.0	V	2.0	+	2	0.1				96.8	to	101.2		99.2	Passed
	244.0	V	2.0	+	2	0.1				238.9	to	249.1		244.0	Passed
	393.0	V	2.0	+	2	0.1				384.9	to	401.1		393.9	Passed
phase rotation test										refer to the manual				conformity	

Frequency

45 – 65Hz	45	Hz	0.0	+	2	1				43	to	47		45	Passed
	50	Hz	0.0	+	2	1				48	to	52		50	Passed
	65	Hz	0.0	+	2	1				63	to	67		65	Passed

Low Ohms Range

0.00-2000Ω	1.000	Ω	1.5	+	30	0.001				0.955	to	1.045		1.000	Passed
	10.00	Ω	1.5	+	3	0.01				9.82	to	10.18		10.01	Passed
	100.0	Ω	1.5	+	3	0.1				98.2	to	101.8		100.0	Passed
	1000	Ω	1.5	+	5	1				980	to	1020		998	Passed
	1900	Ω	1.5	+	5	1				1867	to	1934		1892	Passed

Earth Resistance

0.00-2000Ω	10.00	Ω	2.0	+	30	0.01				9.50	to	10.50		10.00	Passed
	100.0	Ω	2.0	+	6	0.1				97.4	to	102.6		100.1	Passed
	1000	Ω	2.0	+	6	1				974	to	1026		1000	Passed
	1900	Ω	2.0	+	6	1				1856	to	1944		1900	Passed

Earth Loop Resistance (No Trip)

0.23-999Ω	0.32	Ω	5.0	+	6	0.01				0.24	to	0.40		0.32	Passed
	0.56	Ω	5.0	+	6	0.01				0.47	to	0.65		0.53	Passed
	1.31	Ω	5.0	+	6	0.01				1.18	to	1.44		1.27	Passed
	5.35	Ω	5.0	+	6	0.01				5.02	to	5.68		5.31	Passed
	9.2	Ω	5.0	+	6	0.1				8.1	to	10.3		9.3	Passed
	100	Ω	5.0	+	6	1				89	to	111		93	Passed

Earth Loop Resistance (High Current)

0.23-999Ω	0.31	Ω	4.0	+	6	0.01				0.24	to	0.38		0.30	Passed
	0.54	Ω	4.0	+	6	0.01				0.46	to	0.62		0.50	Passed
	1.31	Ω	4.0	+	6	0.01				1.20	to	1.42		1.26	Passed
	5.35	Ω	4.0	+	6	0.01				5.08	to	5.62		5.32	Passed
	9.2	Ω	4.0	+	6	0.1				8.2	to	10.2		9.3	Passed
	100	Ω	4.0	+	6	1				90	to	110		93	Passed

RCD Trip Time @ 30mA

30.0	ms	30.0	ms	1.0	+	10	0.1			28.7	to	31.3		29.9	Passed
100.0	ms	100.0	ms	1.0	+	10	0.1			98.0	to	102.0		100.0	Passed

CALIBRATION CERTIFICATE

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Continuity Current @ 1Ω

RANGE	INPUT	TOLERANCE	Resolution	READING	NOTE	RESULTS	STATUS
		(%+dgts)		min to max			
200.0mA	200.0	mA ≥200mA	0.1	≥200mA		201.7	Passed

RCD Trip Current @ 200ms

30mA ×1/2	15.00	mA	-10%~0%	0.01	13.50	to	15.00	13.74	Passed
10mA ×1	10.00	mA	0~+10%	0.01	10.00	to	11.00	10.85	Passed
30mA ×1	30.00	mA	0~+10%	0.01	30.00	to	33.00	30.85	Passed
100mA ×1	100.00	mA	0~+10%	0.01	100.00	to	110.00	101.06	Passed
1000mA ×1	1000.0	mA	0~+10%	0.1	1000.0	to	1100.0	1016.3	Passed
30mA ×5	150.00	mA	0~+10%	0.01	150.00	to	165.00	@ 30ms 153.84	Passed

Insulation Resistance Test Voltage

125	V	125	V	+10%	1	125	to	137	127	Passed
250	V	250	V	+10%	1	250	to	275	257	Passed
500	V	500	V	+10%	1	500	to	550	519	Passed
1000	V	1000	V	+10%	1	1000	to	1100	1023	Passed

Insulation Resistance @ 125V

0.125-1000MΩ	1.000	MΩ	3.0	+	10	0.001	0.960	to	1.040	0.998	Passed
	10.00	MΩ	2.0	+	10	0.01	9.70	to	10.30	10.01	Passed
	100.0	MΩ	4.0	+	5	0.1	95.5	to	104.5	100.1	Passed
	1.000	GΩ	5.0	+	5	0.001	0.945	to	1.055	0.998	Passed

Insulation Resistance @ 250V

0.250-1000MΩ	1.000	MΩ	3.0	+	10	0.001	0.960	to	1.040	0.998	Passed
	10.00	MΩ	2.0	+	10	0.01	9.70	to	10.30	10.01	Passed
	100.0	MΩ	3.0	+	2	0.1	96.8	to	103.2	99.9	Passed
	1.000	GΩ	3.0	+	2	0.001	0.968	to	1.032	0.999	Passed

Insulation Resistance @ 500V

0.500-1000MΩ	1.000	MΩ	3.0	+	10	0.001	0.960	to	1.040	0.998	Passed
	10.00	MΩ	2.0	+	10	0.01	9.70	to	10.30	9.99	Passed
	100.0	MΩ	3.0	+	2	0.1	96.8	to	103.2	100.0	Passed
	1.000	GΩ	4.0	+	5	0.001	0.955	to	1.045	1.000	Passed

Insulation Resistance @ 1000V

1.000-1000MΩ	1.000	MΩ	3.0	+	10	0.001	0.960	to	1.040	0.999	Passed
	10.00	MΩ	2.0	+	10	0.01	9.70	to	10.30	10.00	Passed
	100.0	MΩ	3.0	+	2	0.1	96.8	to	103.2	100.0	Passed
	1.000	GΩ	4.0	+	5	0.001	0.955	to	1.045	0.999	Passed

Conclusion: Pass at Calibration Item.