

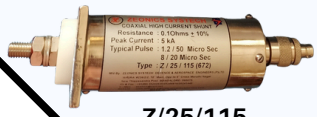
Z/53/66 Z/49/132N Z/53/90 Z/51/76 Z/50/122 Z/51/78



Z/45/146







Z/25/115





Z/45/148

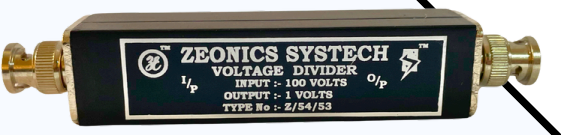


Z/45/35

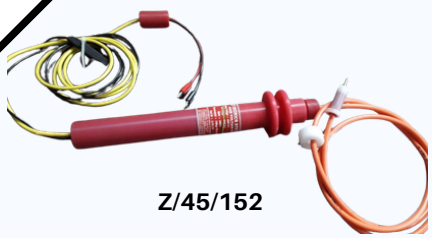


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DIAGNOSTICS



Z/54/53



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Z/39/120



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Z/43/140



Z/33/216



Z/33/12



DIAGNOSTICS

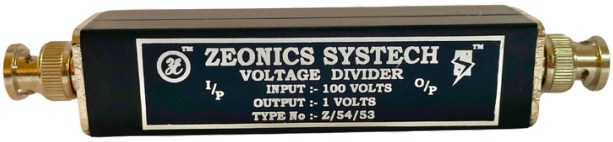
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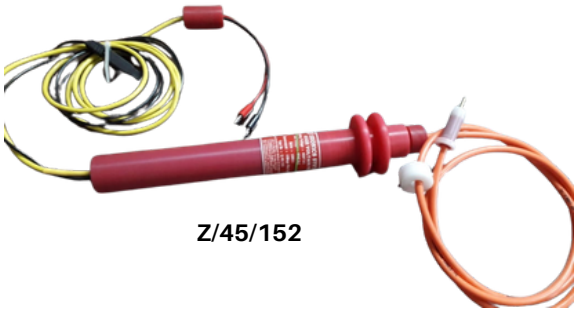
GENERAL PROBE

Part No	Voltage (kV DC)	Loading Resistance	Ratio
Z/54/53	0.1	1000Ω	10:1
Z/35/87	10	100MΩ	1000:1
Z/29/19	50	1000MΩ	1000:1
Z/52/146	60	1000MΩ	1000:1
Z/38/29	100	1000MΩ	1000:1
Z/22/141	100	1000MΩ	1000:1
Z/50/88	100	1000MΩ	1000:1

Part No	Voltage (kV AC)	Loading Resistance	Ratio	Remarks
Z/45/152	40kV DC / 28kV AC	1000MΩ	1000:1	Fluke Type Probe
Z/47/05	40kV DC / 28kV AC	1000MΩ	1000:1	Hand held Meter Probe
Z/33/216	40kV DC / 28kV AC	1000MΩ	1000:1	



Z/54/53



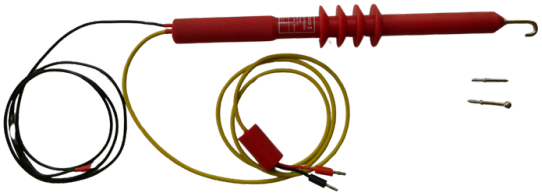
Z/45/152



Z/50/88



Z/22/141



Z/33/216

DC DIVIDER

Part No	Voltage (kV DC)	Loading Resistance (MΩ)	Ratio
Z/48/102	3.5	5	10:1
Z/53/01	5	50	1000:1
Z/26/114	16	190	Analog
Z/28/134	25	1000	1000:1
Z/35/124	25	1000	1000:1
Z/33/124	35	1000	1000:1
Z/33/76	40	1000	10000:1
Z/27/50	50	1000	1000:1
Z/21/45	50	500	Analog
Z/27/52	50	500	Analog
Z/24/152	60	1000	1000:1
Z/50/86	60	1000	1000:1
Z/25/9	60	500	1000:1
Z/30/92	90	150	1000:1
Z/21/46	100	1000	Analog
Z/27/56	100	1000	1000:1
Z/28/74	100	1000	1000:1
Z/47/44	100	1000	1000:1
Z/29/94	100	1500	Analog
Z/40/80	100	200	1000:1
Z/40/144	125	250	1000:1
Z/27/107	150	1000	1000:1
Z/31/01	200	1500	1000:1
Z/28/72	200	2000	1000:1
Z/42/122	250	2500	25000:1

DC DIVIDER

Part No	Voltage (kV DC)	Loading Resistance (MΩ)	Ratio
Z/40/68	300	2000	1000:1
Z/21/110	300	2850	10000:1
Z/32/176	300	3000	1000:1
Z/21/90	400	3000	100000:1
Z/28/105	500	2000	Analog
Z/27/153	600	6000	1000:1



Z/48/102



Z/50/86



Z/28/134



Z/21/45



Z/24/152



Z/21/46



Z/27/56



Z/47/44



Z/28/72



Z/40/68



Z/27/153

AC DIVIDER

Part No	Voltage (kV)	Operating Frequency	Loading Capacitance
Z/42/10	3.5	50Hz	100nF
Z/39/8	6.6	50Hz	10nF
Z/46/92	10	1MHz	11pF
Z/27/54	50	50Hz	100pF
Z/24/140	50	20kHz	85pF
Z/24/102	60	50-12kHz	100pF
Z/24/132	70	2kHz	100pF
Z/29/160	70	20kHz	5000pF
Z/27/55	100	50Hz	100pF
Z/28/75	100	50Hz	100pF
Z/34/149	150	10kHz	10pF
Z/34/152	150	20kHz	24pF
Z/32/08	200	10kHz	20pF
Z/32/110	400	20kHz	10pF
Z/39/134	400	25kHz	50pF





Z/42/10



Z/24/132



Z/29/160



Z/34/149



Z/32/110 Z/32/08 Z/27/54 Z/39/8

OSCILLOSCOPE PROBES

Part No	Voltage (kV)	Loading Resistance	Type of Probe	Ratio
Z/39/120	20	100MΩ	Oscilloscope	1000:1
Z/41/12	20	200MΩ	Analog Output	1000:1
Z/43/136	60	500MΩ	Compensated	1000:1
Z/33/12	100	20pF	Pulse Divider	
Z/43/140	100	2000MΩ	Compensated	1000:1
Z/34/184	150	1000MΩ	Analog	10000:1
Z/43/93	150	1500MΩ	Resistive	1000:1
Z/21/116	200	CuSO4	CuSO4	
Z/31/122	400	1000pF	Pulse Divider	
Z/20/72	500	CuSO4	CuSO4	



Z/39/120



Z/34/184



Z/33/12



Z/43/136



Z/43/140



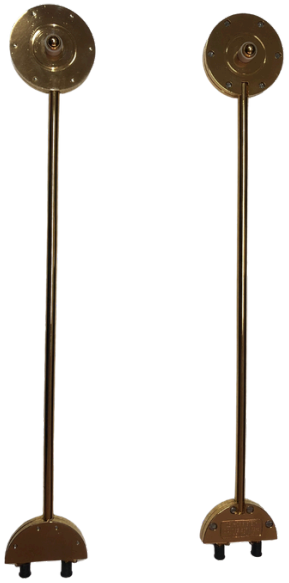
Z/20/72



Z/21/116

E-FIELD PROBE

Part No	Field Measured	Frequency	CW/Pulse	
Z/45/35	Electric	3.5GHz	CW/Pulse	
Z/45/34	Electric	8GHz	CW/Pulse	
Z/29/131	Electric	10GHz	Pulse	
Z/30/32	Magnetic			RCI PIN Probe
Z/30/51	Magnetic			Magnetic Search Coil



Z/45/35



Z/45/34

PULSE CURRENT TRANSFORMER

Part No.	Sensitivity	Output Resistance	Maximum peak current	Maximum rms current	Droop rate	Useable rise time
Z/49/132N	1.0V/A ± 3%	50 Ohms	500A	7.5A	≤0.1%/µs	300ns
Z/51/76	0.1V/A ± 3%	50 Ohms	5000A	45A		500ns
Z/51/78	0.2V/A ± 3%	50 Ohms	20,000A	75A		300ns
Z/50/122	0.5V/A ± 3%	50 Ohms	1,000A	10A	≤0.03%/µs	200ns
Z/53/90	0.01V/A ± 3%	50 Ohms	20,000A	150A		200ns
Z/53/66	0.001V/A ± 3%	50 Ohms	200,000A	250A	0.1%/µs	400ns



Z/53/66



Z/49/132N



Z/53/90



Z/51/76



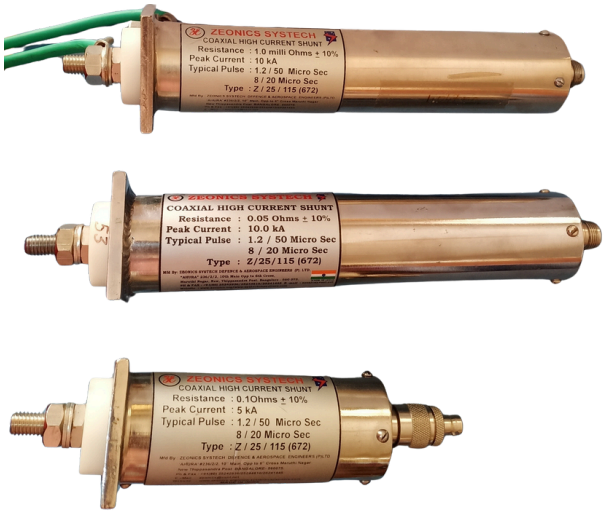
Z/50/122



Z/51/78

SHUNT

Part No.	Description	Resistance	Peak Current	Typical Pulse
Z/25/115	Coaxial shunts	50mΩ	10kA	1.2/ 50 µs 8/20 µs
Z/45/12	Coaxial Shunt	5mΩ	30kA	8/60 µs
Z/45/146	Coaxial Shunt	200mΩ	1kA	100A µs
Z/45/148	Coaxial Shunt	200mΩ		8ns



Z/25/115



Z/45/146



Z/45/148