

Sample

Impulse current shunt Model A

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This model of current shunt consists of a shunt body and three sets of parallel connected internal resistor inserts (blue insert in picture below) – with each set providing a different shunt resistance value. Each resistor insert is rated 30 kV_{peak}, 100 Joules & 1 impulse/minute for duration of 20 min, followed by a 30 minute cooling period.

The three internal resistor insert sets are as follows:

- Set A: four resistor inserts, each rated 40 Ω, for a total resistance of 10 Ω, 30 kV_{peak}, 400 Joules
- Set B: four resistor inserts, each rated 4 Ω, for a total resistance of 1 Ω, 30 kV_{peak}, 400 Joules
- Set C: four resistor inserts, each rated 0.4 Ω, for a total resistance of 0.1 Ω, 30 kV_{peak}, 400 Joules

The current carrying components of the shunt are silver plated brass.

The non-current carrying components are stainless steel. The insulated components are Delrin.

Total weight of the shunt is 10.4 kg. Two T-handle Allen keys are included.

The current shunt voltage output is via coaxial B&C connector.

Note: Apart from the three sets described above, the current shunt body can accept up to 12 resistor inserts in parallel, thus providing a large range of total resistance values depending on values and number of resistant inserts.



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