



Arc Discharge Generator ADG-200-2 is designed to work on the fault location in combination with the TDRs: RI-407 / TDR-107 / TDR-109 and with the third party TDRs (with ARM and ICE methods support), significantly expands their ability to location of high impedance defects which are not localize with low-voltage TDR method.

Supported measurement methods

Device provides the necessary conditions for the application of these modern non-destructive (without burning the insulation) search techniques of high impedance faults on power cables up to 10 kV:

- **Arc Reflection Method (ARM)** with TDR RI-407, TDR-107, TDR-109
- **Impulse Current Method (ICE)** with TDR RI-407, TDR-109

Features

- Completely self-powered device;
- Small size - a complex of free fits into a car trunk
- Light weight

Technical characteristics

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| Output voltage range | 0 ... 10 kV |
| Levels of output voltage | 4 kV, 10 kV |
| Charge modes | <ul style="list-style-type: none">⚡ Direct charge of the cable (AUTO), for leakage current <10 mA⚡ Charge the built-in capacitor (MANUAL), for leakage current >10 mA |
| Embedded storage capacitors | 4 μF / 10kV |
| Maximum stored energy | 200 J |
| Arc stabilization time | 1 ms ... 10 ms (depends on external conditions) |
| Maximum allowable pulse voltage on all low-voltage connectors, designed for connection to the TDR | <ul style="list-style-type: none">▪ on the TDR connector: 60 V;▪ on the WAVE connector: 120 V;▪ on the TRIG connector: 20 V |
| Power supply | Autonomous (battery) |
| The number of "shots" on a fully charged battery | 100 |
| Operating temperature range | from -20 ° C to +40 ° C |
| Dimensions | 520x320x300 mm |
| Weight | 17 kg |

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