# RDC-147 Specific Electrical Resistance Coke

The RDC-147 conducts an automated measurement of the specific electrical resistance, the bulk and pressed densities of coke. As the specific electrical resistance in anodes is greatly attributed to that of the coke, this measurement is important. The typical range for specific electrical resistance lies between 450 – 500 µΩm, with a repeatability of 15 µΩm and a reproducibility of 25 µΩm.

Monitor samples can be used to improve the precision figures if necessary. R&D Carbon in Switzerland provides the reference material required to guarantee the accuracy of the tests and ensures consistent and repeatable values.


*Photos and illustrations are not contractual.

| | | |
|---|---|---|
| **Standards** | Compatible | ISO 10143 |
| | RDC | RDC-1147 |
| **Specifications** | Measurement | Specific electrical resistance [µΩm]<br>Pressed density [kg/dm$^3$]<br>Resiliency [%] |
| | Sample | Coke 1.4-1 mm |
| | Sample / test | 1 |
| | Process time | ~ 2 minutes |
| **Configuration** | Set up | Workbench |
| | Dimensions | 85 x 63 x 65 cm (LxWxH) |
| | Weight | 100 kg |
| **Facilities** | Electrical connection | 230V 1/N/PE, 50/60Hz |
| | Power | 0.50 kW |
| | Other | Electrical plug |

## The Microprocessor Features and Advantages:

- User friendly operating system (wide colour screen, soft touch key panel)
- Fully interlinked with Key Lab application (LIMS)
- Data history (measured value, calibration factor, date, time…)
- Connectivity (database, external printer, USB mass storage, WIFI network)

**R&D Carbon**, Route du Moulin 44, CH-3977 Granges, Switzerland
Phone (+ 41) 27 - 459 29 29
Equipment@rd-carbon.com, www.rd-carbon.com