

RDC-144 Compressive Strength & Young's Modulus

Compressive strength and Young's modulus are determined from the breaking load and the linear compression of a sample with a length of 50 mm. The compressive strength normally shows values four times higher than the flexural strength. The mean values for the Young's modulus are between 3.5 and 5.5 GPa. These parameters are important in considering thermal shock resistance.

The RDC-144 is used for the determination of the Compressive Strength and Young's Modulus of anode samples.



*Photos and illustrations are not contractual.

Standards	Compatible	ISO 18515
	RDC	RDC-1144
Specifications	Measurement	Compressive strength [MPa] Static elasticity modulus [GPa]
	Sample	Core Ø50x50mm
	Sample / test	1
	Process time	~ 2 minutes
Configuration	Set up	Workbench
	Dimensions	70 x 63 x 63 cm (LxWxH)
	Weight	166 kg
Facilities	Electrical connection	230V 1/N/PE, 50/60Hz
	Power	0.50 kW

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)