

Ultra High Voltage DC Dielectric Test Systems and Power Supplies



Testing Applications

Insulation Testing

- Cables
- Transformers
- Insulators
- Bushings
- Valves (IEC 62501 and IEC 60700)

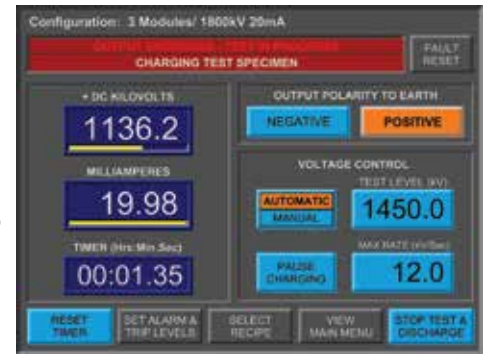
Utility HV Power Supply

- R & D tests
- Miscellaneous evaluations
- Educational demonstrations

Suitable for performing HVDC withstand tests and partial discharge measurements on all HVDC transmission equipment

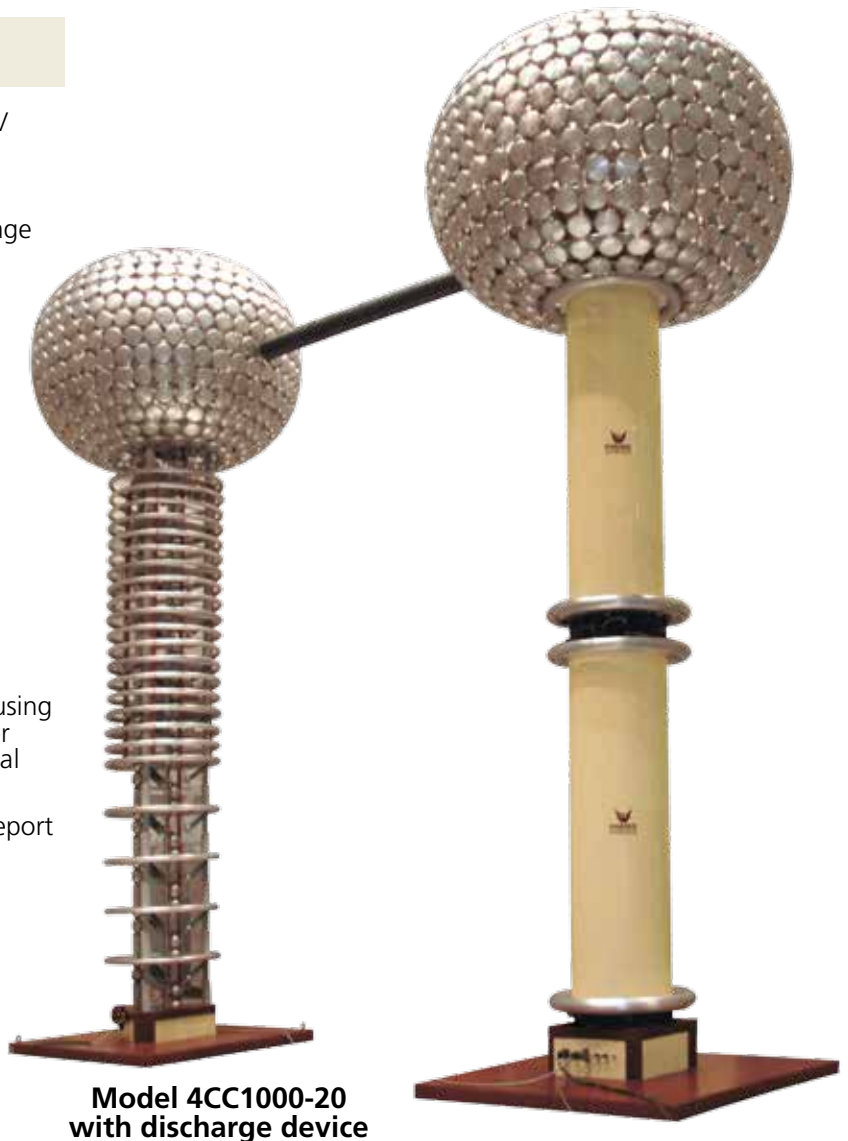
Phenix Technologies delivers proven reliability, innovative solutions, and years of experience for today's DC testing requirements!

User Interface



Phenix Advantages

- Stackable multiple modules in 300 kV or 500 kV increments for higher voltage
- Low PD specification
- High charge current ratings and low ripple voltage output provided by the cascaded full wave voltage doubler design
- Fast motorized polarity reversal
- Internal voltage divider provided for direct voltage measurement in accordance with IEEE Standard 4 and IEC 60060-2
- Combination divider, discharge, grounding device
 - Discharge device (optional)
 - Grounding switch (optional)
 - PD measurement capacitors (optional)
- Output series resistor included
- Castors or air pallet for mobility (optional)
- Available with smooth surface FRP insulator housing for laboratory use, or ribbed composite insulator housing for extended operation in an industrial environment
- PC software package for data acquisition and report generation



**Model 4CC1000-20
with discharge device**

MODELS	MODULES	VOLTAGE	CURRENT	TOTAL	
				Height	Weight
4CC300-20	300 x 1	300 kV	up to 20 mA 10 mA continuous	12' (3.6 m)	1.5 t
4CC500-20	500 x 1	500 kV		15' (4.6 m)	2 t
4CC600-20	300 x 2	600 kV		25' (7.5 m)	3 t
4CC1000-20	500 x 2	1000 kV		32' (9.75 m)	4.5 t
4CC1200-20	300 x 4	1200 kV		27' (8.2 m)	5 t
4CC1500-20	500 x 3	1500 kV		41' (12.5 m)	8 t
4CC500-50	500 x 1	500 kV	up to 50 mA 20 mA continuous	15' (4.6 m)	3.5 t
4CC1000-50	500 x 2	1000 kV		27' (8.2 m)	7 t
4CC1500-50	500 x 3	1500 kV		41' (12.5 m)	10.5 t



**PHENIX
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ISO
9001:2008
Compliant