

**Further downsized and weight-reduced with incorporation of semiconductors**

**Compatible with impulse testing for medium- to high-voltage rotary machinery windings**



- ◇ The tester generate a surge pulse for testing Medium High Voltage Rotator Windings.
- ◇ With an external storage oscilloscope, Excellent viewability of waveforms can be obtained.
- ◇ Eliminates unwanted stresses on specimens by minimizing frequency of occurrence of impulses
- ◇ Compact, lightweight design and reduced power consumption with adoption of semiconductors in the pulse generating circuits and reduction in frequency of occurrence of impulses to a required minimum
- ◇ Developed for windings in medium- to high-voltage rotary machinery, allowing generation of impulses with a sufficient level energy also for windings of low inductances
- ◇ Minimizes variations in waveforms in the rising phase of impulses
- ◇ Drastically suppressed jitter compared to conventional spark-gap or gas-filled discharge tubes, and more stabilized operation attained independently of environmental conditions or mechanical vibrations owing to the adoption of thyristor switches
- ◇ Virtually maintenance-free operation

# Impulse Test Equipment for Rotary Machinery Windings

## WINDING TESTER

### DAC-PG-103S

Output voltage	1 to 8 kV (Load resistance 1 k $\Omega$ )
Duration of pulse wave front	1 $\mu$ S or less (Load resistance 1 k $\Omega$ )
Duration of pulse wave tail	Approx. 40 $\mu$ S (Load resistance 1k $\Omega$ )
Output channels	1 channel
Pulse repetition rate	Approx. 2 times/sec.
Impulse energy	1 J
Maximum current	800 A
Monitor connectors	2 connectors
Outside dimensions	W 424 $\times$ H 248 $\times$ D 450 mm
Weight	Approx. 20 kg



### DAC-PG-153S

Output voltage	1 to 12 kV (Load resistance 1 k $\Omega$ )
Duration of pulse wave front	1 $\mu$ S or less (Load resistance 1 k $\Omega$ )
Duration of pulse wave tail	Approx. 40 $\mu$ S (Load resistance 1 k $\Omega$ )
Output channels	1 channel
Pulse repetition rate	Approx. 2 times/sec.
Impulse energy	2.2 J
Maximum current	800 A
Monitor connectors	1 connector
Outside dimensions	W 424 $\times$ H 248 $\times$ D 450 mm
Weight	Approx. 20 kg



### DAC-PG-303S

Output voltage	1 to 25 kV (Load resistance 1 k $\Omega$ )
Duration of pulse wave front	1 $\mu$ S or less (Load resistance 1 k $\Omega$ )
Duration of pulse wave tail	Approx. 40 $\mu$ S (Load resistance 1 k $\Omega$ )
Output channels	1 channel
Pulse repetition rate	Approx. 2 times/sec.
Impulse energy	10 J
Maximum current	1,000 A
Monitor connectors	1 connector
Outside dimensions	W 431 $\times$ H 498 $\times$ D 500 mm
Weight	Approx. 50 kg



(Output 2 channel type is also available for all models.)



Head Office & Plants  
ISO 9001 Accredited

**SOKEN SOKEN ELECTRIC CO., LTD.**

3-57-124 Kami-Ishihara Choufu Tokyo 182-0035 Japan

TEL +81-(0)424-90-6929 FAX +81-(0)424-90-6807

<http://www.soken-jp.com> e-mail:s2258@soken-jp.com