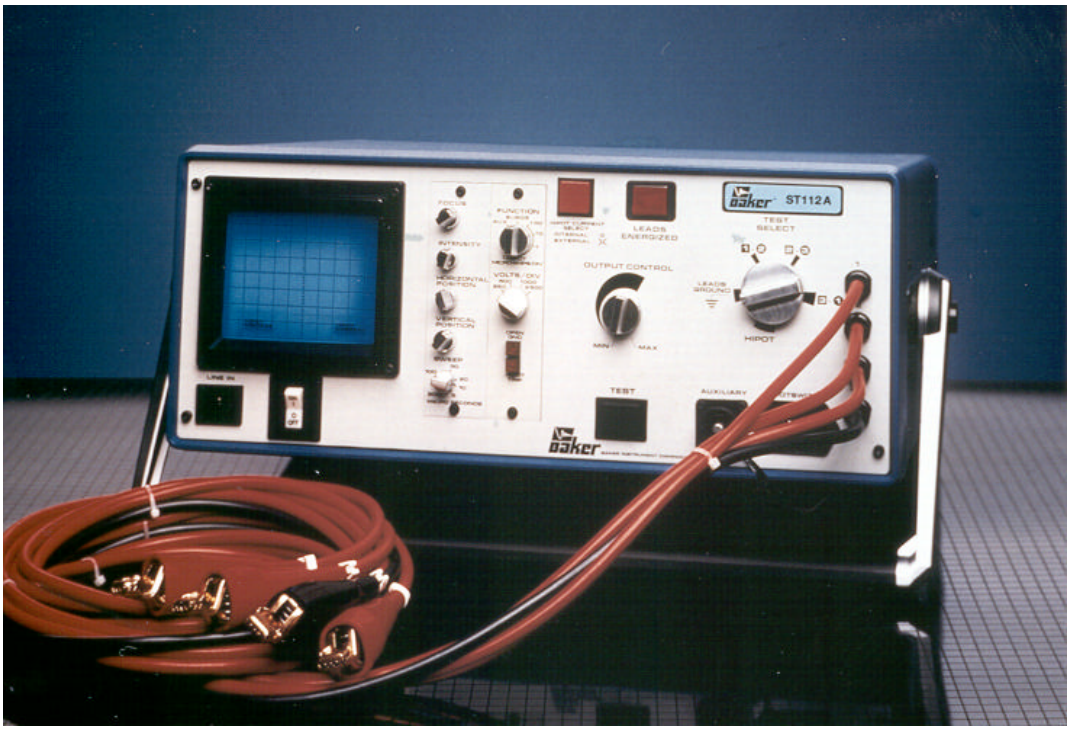
Baker Instrument Company

3, 6 & 12 KV Surge/High Potential Tester

Proven reliability combined with rugged construction keeps the tester operating in the shop or in the field.



With Baker's 3, 6 & 12 KV testers you can verify the quality of new or rewound windings before you have to depend on their performance.

For over four decades, Baker Instrument Company has pioneered the development and manufacture of diagnostic test equipment for all types of electrical rotating machinery. This generation of quality ST103A, ST106A and ST112A testers reaps the benefit of nearly 40 years of engineering excellence. Proven reliability combined with rugged construction keeps this tester operating in the shop or in the field.

What's New?

- Greater current resolution for Polarization Index/Dielectric Absorption Tests and during Hipot Testing.
- Total tester control from the front panel and easily accessible connectors.
- All Leads Grounded selector position helps ensure operator safety.
- Zero Start Interlock ensures operator safety and a low initial voltage to prevent insulation damage.*

VERSATILE COMBINATIONS

- Expand with Baker's 24 KV Surge/Hipot test power pack (Model PP124).
- Add the AT101 High-Current Surge TestAdaptor and perform bar-to-bar low impedance DC armature tests. Bar-to-Bar test are specifiedbythe major armature manufacturers.

MISCELLANEOUS

- Footswitch and Auxiliary Test connectors are standard.
- One-year Baker Warrantyonparts and Labor.

Versatility makes this tester an essential component for both corrective and predictive maintenance procedures. The capability to test all insulation systems of coils and windings ma this unit ideal for use on motors, generators, transformers, chokes, solenoids, and a variety of other coils.

With Baker's 3, 6 and 12KVtesters, you can verify the quality of new or rewound windings before you have to depend on their performance. Whether you're in the shop, in the plant, or in the field, the Baker tester offers you the capability to troubleshoot, diagnose, and predict motor failures before they happen.

SPECIFICATIONS:*

	ST103	ST106	ST112
SURGE TEST:			
Maximum OutputVoltage	3,000 volts	6,000 volts	12,000volts
Maximum Output Current	200 amps peak	380 amps peak	800 amps peak
Maximum Pulse Energy	.18 joules	.72 joules	2.88 joules
Minimum Test Inductance (all models): 30- 40 MicroHenries			
DC HIGHPOTENTIALTEST:			
Maximum OutputVoltage	3,000 volts	6,000 volts	12,000volts
Maximum Output Current	1,000 MicroAmps	1,000 MicroAmps	1,000 MicroAmps
Overcurrent Trip	10/100/1000 MicroAmps	10/100/1000 MicroAmps	10/100/1000 MicroAmps
Current Resolution	1/10/100 MicroAmps	1/10/100 MicroAmps	1/10/100 MicroAmps
PHYSICAL CHARACTERISTICS			
Weight (Kilograms/pounds)	20/42		
Dimensions (W x H x D)	471 x 191 x 412 mm/19 x 8 x 16 in.		
POWERREQUIREMENTS	120vac/118 watts	120vac/118 watts	120vac/333 watts
RECOMMENDED MAXIMUMTEST MOTOR SIZE	200hp/600V	500hp/2400V	1000hp/4160V

* Datasubjecttochangewithoutnotice. PrintedinUSA10/99.

CAPABILITIES

- Convenient, front panel user friendlycontrols.
- **Instrument Grounded** warningdetector
- Test lead insulation ratedat45Kilovolts
- **Leads Energized** warning indicator
- All LeadsGrounded Test switch position
- 3-Phase Test Select Switch

PERFORMANCE/DURABILITY

- Baker's exclusive QRR high-voltage component design.
- Autoranging overcurrent Trip settings (low trip at 10MicroAmps), and visual Overcurrent Warning Indicator.
- Leakage current displayed on CRTgives quickest indicationoffaults, and provides a real-time, visual reference for controlling high-voltage test.
- Specially designed CRTdisplaycircuits are built for maximum reliability in the shop or in the field.

BAKERINSTRUMENT COMPANY
POBox587•FortCollins,Colorado80522
(970)282-1200•(800)752-8272•fax(970)282-1010
www.bakerinst.com

FortCollins • Nurnberg