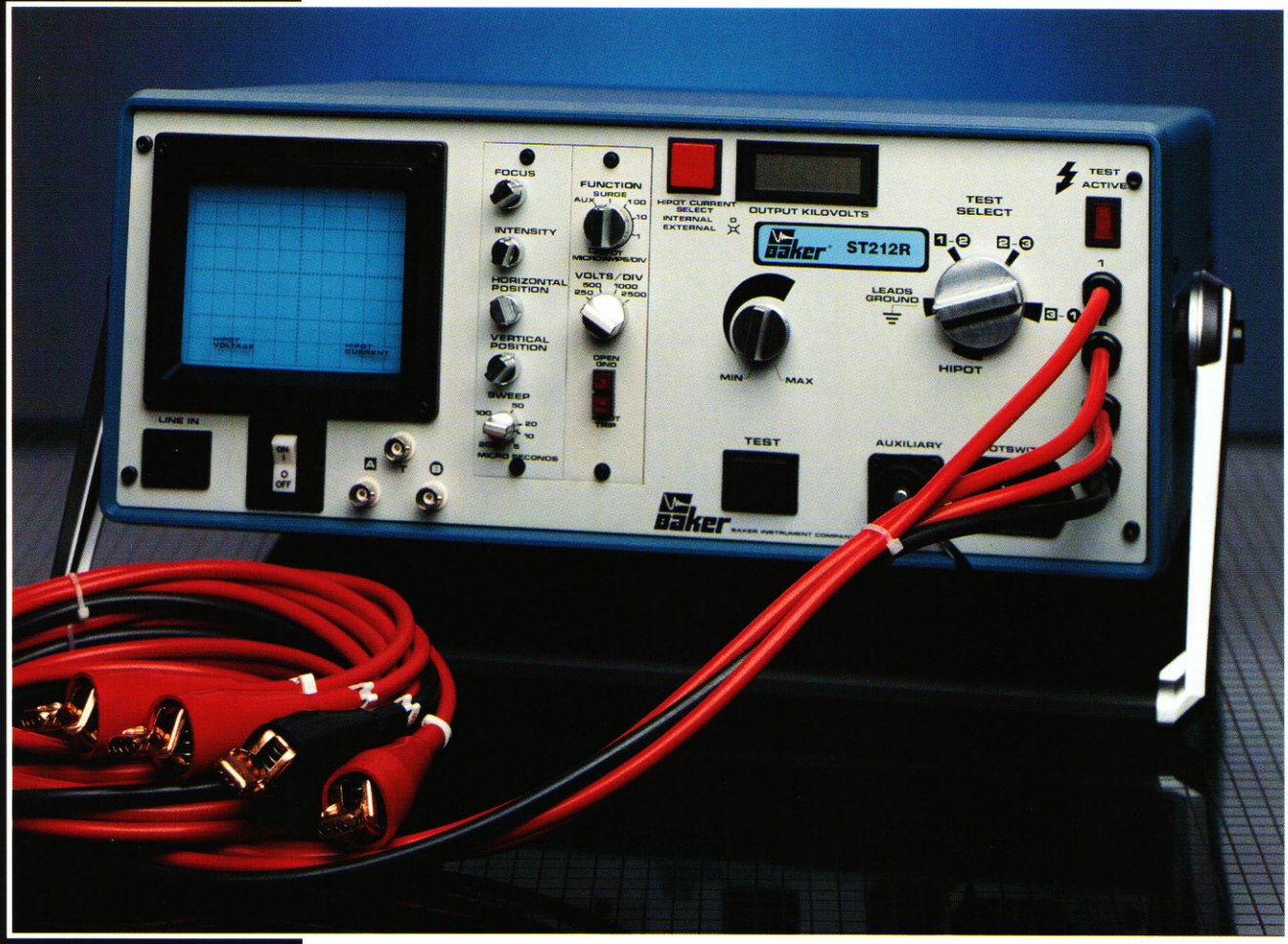
BAKER INSTRUMENT COMPANY

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 6 & 12 KV TESTERS YOU CAN VERIFY THE QUALITY OF NEW OR REWOUND WINDINGS BEFORE YOU HAVE TO DEPEND ON THEIR PERFORMANCE.

For nearly three decades, Baker Instrument has pioneered the development and manufacture of diagnostic test equipment for all types of electrical rotating machinery. This generation of quality ST106A and ST112A testers reaps the benefit of over 30 years of engineering excellence. Proven reliability combined with rugged construction keep 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 minimizes test error.*

*The zero start interlock may be disabled, at the owners request, for use with the AT101.

Baker®

APPLICATIONS

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 makes this unit ideal for use on motors, generators, transformers, chokes, solenoids, and a variety of other coils. Save valuable production time lost in performing unscheduled repairs.

With Baker's 6 & 12 KV testers 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:*

	ST106	ST112
SURGE TEST:		
Maximum Output Voltage	6,000 volts	12000 volts
Maximum Output Current	380 amps peak	800 amps peak
Maximum Pulse Energy	.72 joules	2.88 joules
Maximum Test Inductance		
DC HIGH POTENTIAL TEST:		
Maximum Output Voltage	6,000 volts	12,000 volts
Maximum Output Current	1000 MicroAmps	1000 MicroAmps
Overcurrent Trip	10/100/1000 MicroAmps	10/100/1000 MicroAmps
Current Resolution	1/10/100 MicroAmps	1/10/100 MicroAmps
PHYSICAL CHARACTERISTICS:		
Weight (kilograms/pounds)		
Series-A	20/42	20/48
Dimensions (W x H x D)		
Series-A	471 x 191 x 412 mm / 19 x 8 x 16 in.	
POWER REQUIREMENTS:	120vac/118watts	120vac/333watts
RECOMMENDED MAXIMUM MOTOR SIZE TO TEST:	500hp/2400V	1500hp/4160V

** Data subject to change without notice. Printed in USA 6/95.*

CAPABILITIES

- Convenient, front panel user friendly controls.
- 'Instrument underground' warning detector.
- Test lead insulation rated at 45 Kilovolts.
- 'Leads Energized' warning indicator.
- All-Leads-Grounded Test switch position.
- 3 Phase Test Select Switch.

PERFORMANCE/DURABILITY

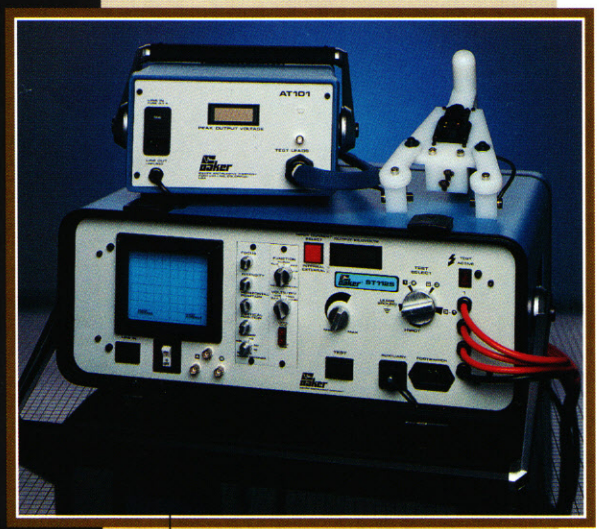
- Baker's exclusive QRR high-voltage component design.
- Autoranging overcurrent Trip settings (low trip at 10 MicroAmps), and visual Overcurrent Warning indicator.
- Leakage current displayed on CRT gives quickest indication of faults, and provides a real-time, visual reference for controlling high-voltage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

VERSATILE COMBINATIONS

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

MISCELLANEOUS

- Footswitch and Auxiliary Test connectors are standard.
- One-year Baker Warranty on parts and labor.



BAKER'S 12KV SURGE/HIPOT TESTER WITH THE AT101