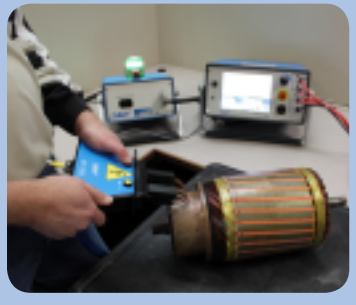
SKF Static Motor Analyzer ATF 5000 Accessory

Innovative hand held bar-to-bar test device improves DC armature testing accuracy and speed



Introduction

Motor manufacturers and motor rebuild professionals who work on DC motors need to identify problems with armatures that could cause a motor to underperform or prematurely fail once placed in service. SKF static motor analyzers such as the Baker DX-15A are commonly used to detect such problems, which include shorts, opens, misconnections, weak turn-turn insulation, cracks or breaks in armature bars. Bar-to-bar armature tests will find such problems, but the accessories required to perform such tests tended to be hard to use, especially when attempting to get accurate test readings quickly.

The ATF 5000 bar-to-bar test accessory is an ergonomically easy to use device that makes it possible to perform consistently accurate tests faster than ever before.

Features and benefits

The ATF 5000 is designed to be held comfortably and safely while performing tests on pairs of adjacent bars around a DC armature. The innovative test contacts improve test reading accuracy, and are easy to adjust with a thumb wheel for precise placement of the contact points on bar pairs. The design enables a user to press either of two buttons to perform a test while comfortably holding the accessory.

The accessory can be held during tests in one hand, which frees the other hand to use the touch screen on the static motor analyzer it is connected to for testing.

Compatibility

A bar-to-bar test requires the use of an impedance matching transformer as found in the Baker ZTX accessory, or a Baker PP85 power pack with integrated Baker ZTX functionality. The ATF 5000 works with the following SKF static motor analyzers and equipment:

- Baker ZTX accessory (when used with Baker AWA-IV, Baker DX, Baker DX-15 or Baker PP30 and Baker PP40 power packs)
- Baker PP85 power pack
- Baker DX-15A
- Baker D65R
- AT101 (older version of the Baker ZTX)
- Baker D165

ATF 5000 specifications

Weight	1,2 kg *(2,6 lbs)*
Dimensions	22,8 cm x 20,3 cm x 5 cm *(9 in x 8 in x 2 in)*
Contact adjustment range	3,2 mm to 58 mm *(0,125 in to 2,3 in)*
Maximum voltage	2 000 V

Connection adapters:

- Baker DX-15A
- Baker ZTX
- Baker AWA-IV
- Baker power pack

What's in the box

- User guide
- Analyzer connection adapters

Service

SKF Condition Monitoring provides world-class global technical support for its motor test and monitoring equipment. Whether it is for routine calibration, or repairs and upgrades for static or dynamic analyzers, our experienced technicians will return your equipment in top condition with fast turn-around and courteous service. Contact SKF's product service department in the U.S. at +1 800-523-7514, or +1 858-496-3627 from outside the U.S., or email the service department at service.cmcfc@skf.com.

Product Support Plans

Maximize your static motor analyzer's up-time and performance over the life of the product with SKF Product Support Plans (PSPs). These plans assure worry-free use and maintenance of your SKF electric motor analyzer. For more information about an optional PSP for electric motor test equipment, contact your local SKF sales representative.

For customers in the United States, call 970-282-1200; for global contacts, visit SKF's electric motor test and monitoring solutions website at

http:// www.skfusa.com/electricmotortesting

to find a country representative, or send an email inquiry to sales.cmcfc@skf.com.

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