

# FREJA 306

## Relay Test System



- Manual and PC remote control
- Easy to use
- Excellent software provides great visuals and simple setup
- High performance amplifiers
- Lightweight and portable
- User can calibrate the unit

### Description

FREJA™ 306 is the latest member of the relay testing equipment from Megger, quick and easy to use, like the FREJA 300. The rugged hardware design is built for field use over a wide temperature range, with the possibilities of intelligent software to perform rapid testing.

FREJA 306 can be operated with or without a PC. After being put into the Local mode, FREJA 306 can be used stand-alone without a PC. Using the Local mode is easy.

FREJA 306 is an excellent choice when you want more current output, higher amps (2x15 A + 3x35 A), VA or compliance voltage. Use it to test differential relays with 0 currents, or virtually any single or 3-phase relay.

When testing 1-phase relays, you can make use of either the high current (over 100 A), or the very high compliance voltage. This now makes it possible to test high impedance relays of different kinds, like rotating disc relays, earth protection relays, etc.

FREJA 306 can be also be used as a fault simulator to emulate proper relay configurations for specific applications. This is possible by importing and re-generating transient disturbance files often referred to as COMTRADE files. These files may include calculated digital records created by power network simulator software's such as EMTP, RTDS or data records from actual fault events.

With the built-in DC source you can directly supply the protection relay.

With use of the GPS receiver accessory, GPS200 – MO-TR, several FREJA 306 can be synchronized to perform end-to-end testing with the test sets allocated in different substations.

A FREJA 300 can be upgraded to a FREJA 306.

### Application

FREJA 306 is intended primarily for secondary testing of protection relays. Virtually all types of protection relays can be tested.

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# Freja 306 User Manual

**JE Gale**



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