
*With MFA600 and the system software, you can see exactly what is happening in the frequency range 3 - 150 kHz. If there are any disturbances on the grid, you can see when these occur and plan your field service activity thereafter.*

- **Spectrum analysis for the CENELEC 3 - 150 kHz range**
- **Three-phase wiring, with spectrum analysis of each phase**
- **Local logging and database storage**
- **Ability to evaluate the presence of communication & disturbance signals over time and scope**

## TECHNICAL DATA

**BATTERY**
Rechargeable Lithium-ion. (contains no mercury)

**CONTACT**
Ethernet connector. GPRS optional. SweMet provides a GPRS subscription when the system runs on a SweMet server.

**PRODUCT'S EXTERNAL MATERIAL**
ABS plastic

**LABEL**
Embossed silk screened overlay of plastic

**VAC POWER CONNECTION**
Terminal block for ground and voltages, three phase.

**DISPLAY**
Voltage for each phase

**INPUT VOLTAGE RANGE**
400 VAC

**STORAGE CAPACITY**
41 hours with 5-minute values
Dynamic memory

## GENERALS

**FEATURES**
The instrument records all signals in the frequency range 3 - 150 kHz, giving you a unique opportunity to better understand powerline communication. The system software provided is web based and stores data in a database. The instrument can continuously update the database via GPRS or IP.

The MFA600 gives you the opportunity to evaluate communication and interference over time, and by moving it around as needed, you can log actual conditions across the entire spectrum for all three phases.

**INSTRUMENT**
The MFA600 comes with GPRS and/or IP communication. The instrument's firmware can be upgraded via the MFA system software.

**MFA SYSTEM SOFTWARE**
All peak and weighted mean value, (RMS), data is logged on a 5 minute basis. You can choose to study a 5-minute spectrum analysis or a particular frequency over a self-defined period of time. You can evaluate if your powerline communication is giving you the performance you expect, and even if interference is affecting your meter reading system.

## INSTRUMENT SPECIFICATION

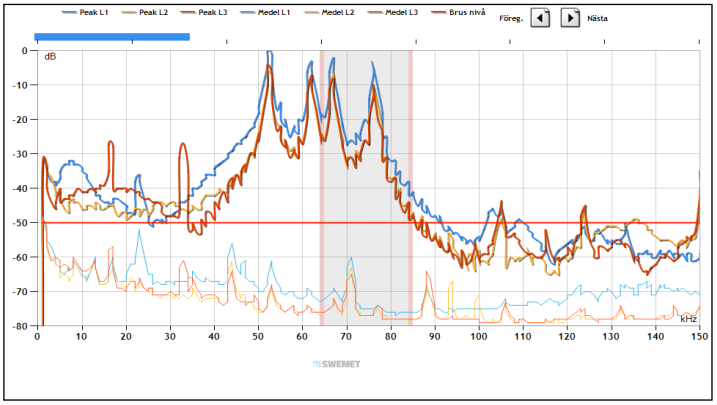
**HARDWARE**
Three phase spectrum analysis of signal levels
Frequency range: CENELEC 3-150 kHz

**LOGGING**
Three phases at 5-minute intervals

**VAC POWER CONNECTION**
3-phase voltage wiring: 3 x 230VAC

**COMMUNICATION**
TCP/IP over Ethernet. TCP/IP over GPRS optional (recommended for field use, required for use with SweMet hosting.)

## SOFTWARE SPECIFICATION




The MFA600 logs and sends data to a TCP/IP .NET Windows Service every 5 minutes, or as soon as communication becomes available. The data is stored in a Microsoft SQL Server database, and is accessed via a .NET web / JavaScript application. The system is a scalable client / server application which can be run on a stand-alone or multi-server, physical or virtual environment.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