



arkossa

POWERING YOUR SMART DATA



# workforce TOOLKIT

THE ARKOSSA SOLUTION FOR FIELD SERVICES



# noise

Arkossa has created a versatile and compact handheld **spectrum analyzer** for signal analysis and interference detection on most popular PLC Protocols used for Smart Meters. Its field-proven design, rugged, compact and lightweight, allows for field technicians to improve the diagnosis services on field.

This device can be connected to our innovative app through Bluetooth, which allows to use smartphones, tablets or PC and performs analysis tasks and detection of noise or interferences in the PLC signal, allowing it to easily diagnose problems and suggest corrective actions (Filter Advisor) on the go.

**NOISE is preconfigured to run within the CENELEC A band environment, which includes different standards as PRIME, PLAN, G-3 PLC, Meters & More, etc.** By being directly connected to low voltage networks, NOISE allows you to monitor, locate, identify, and analyze communications signals over PLC.

**Its innovative and accurate technology provides 100% reliable analyses.** Five input attenuation levels can be selected from the mobile device; its maximum screen zoom resolution is of 100 Hz in the CENELEC A Band. NOISE can be powered with AA Batteries.

One of the main added values of NOISE lies in the ease of handling as no long training sessions are needed to learn how to use it. Besides, **NOISE provides significant time-saving and consequently cost reduction when it comes to conduct the analysis and send the reports containing the data collected on field directly to the main office**, thus minimizing the risk of error.

## APP FEATURES

- Bluetooth Connection.
- Geolocation.
- Spectrum Components Display.
- Filter Advisor.
- PLC Band Selection.
- Report Delivery.

## TECHNICAL SPECIFICATIONS

- Power Consumption < 500 mW
- Refresh Time 100 ms
- Power Supply via AA Batteries
- Magnetics Probes for Easy Use.
- CENELEC A Band (PRIME, G3-PLC, Meters & More, PLAN etc).

# worker

The perfect tool to manage meters on-site. It allows performance of maintenance and management tasks in an efficient and simple way.

**The APP and Bluetooth or Wi-Fi probe solution let the user perform on-site tasks in less time and in an easier way, which will save the company time and money.**

Worker, whose design is based on mobility and easy handling, is an effective solution for management of meters locally, thus allowing a reduction of up to 35% of the time normally required.

## SOFTWARE MAIN FEATURES

The software Worker incorporates the most common functions for meter management and maintenance tasks which are carried out daily.

- Meter identification and parameters.
- Meter clock synchronization.
- Passwords management.
- Tariffs and rates.
- Events log.
- Load profile and monthly billing.
- Reading of instantaneous values (current, voltage and power).
- Disconnection and reconnection of power control switch.
- Validation of the electrical installation.
- Different formats to export load profile and billing. (CSV, PIC).
- Firmware update

## MAIN FEATURES OF THE OPTICAL BLUETOOTH PROBE

Support to protocols:  
OPTICAL (IEC 62056 to 21)  
OPTICAL (IEC 60870/5 - 102)  
DLMS/COSEM.

# box

Avoids customer's power outage and **detects PLC disturbances, thus improving the productivity of field services by cutting down on time and costs.**

Box is a tool that can be used by the technical staff to **identify metering points that generate problems on PLC signal and on the LV network.** This way, the time for detection and solving of communication problems in the field is improved, with no need to cut off power on customer's premises.

## BOX FEATURES

- Active filter for parallel connection.
- Attenuation of 20 dB in CENELEC A Band.
- Magnetic probes for easy connection.
- Isolation 1000 VAC.
- Maximum Voltage 275 VAC (Phase – Neutral).
- Weight 1,5 kg.
- Dimensions 191 mm x 125 mm x 90 mm.