



## General description

As a first step in an introduction to the I3 sensor platform, it is recommended to order the Jomitek I3 Sensor Starter Kit. It will enable hands-on experience with the sensor concept, the measurement facilities, and configuration options. Via the kit, the SCADA integration may be prepared in parallel with a bigger pilot or general roll out of the sensor. Purchase of the kit also includes 12 month free e-mail support with Jomitek Engineers.

## Starter Kit Content

- I3 sensor for 60mm cable, one unit
- I3 sensor for 80mm cable, one unit
- Capacitive voltage interface cable for 3x400V, 2 pcs.
- Extra CEE female connector for 3x400V + N wire, 2 pcs
- Mounting straps
- Getting started guide
- 12 month free e-mail support

## What you need for the initial test and work

To get the sensors running you need (1) a PC with a browser, an FTP client, and Putty. (2) a PoE (Power over Ethernet) switch to interface with the sensors. (3) an RJ45 network cable (normal Ethernet cable).

To make initial measurement you can work in your own laboratory using a 3-phase current generator (like Omicron) or you can mount the sensors on a test site in the field.

## What you can do

The web interface gives you all the same measurement information as a direct SCADA interface can provide. Additionally you may try basic web based configuration options as well as more advanced customization e.g. via Lua scripts. You may also download .wav files for analysis of waveforms and events.

The sensors measure:

- Individual wire current
- Voltage by phase

Based on these basic measurements other parameters of interest are calculated inside the sensors:

- Power
- Reactive power
- Direction of power flow
- Frequency analysis up to 15 KHz
- Short circuit, including direction
- Earth fault indication

## Ordering information

- Leadtime is typically a few weeks.
- Price (2019), including 12 month free e-mail support:

**€ 2.995,-**