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## “Detecting parasitic currents intelligently”

### Measuring and avoiding shield currents

Often, there are undesirable interactions between power supply and control technology in complex industrial systems that might cause errors in control engineering. These interferences often arise from communication failures between components. Since the failure causes are usually hard to find, a mobile detection system in the form of a current clamp for line-based parasitic currents achieves significant savings of installation expenses and in service department.

The **Intelligent current measuring clamp EmCheck® ISMZ I** is a mobile tool for detecting line-based parasitic currents in industrial plants. It detects values by its own, evaluates and records data.

The integrated intelligence is innovative. It allows first surveys and hence first estimations of EMC susceptibility of plants without drawing on special tools.

Furthermore, the intelligent current measuring clamp EmCheck® ISMZ I is applicable in an environment with heavy interferences.

A large number of failures are efficiently analyzed with the measured values. Thus the use of tools that are hard to understand and merely manageable by qualified professionals can be minimized to a few cases.

### Highlights

- Compact, portable, battery-driven current clamp
- Simple and intuitive handling
- Detection, evaluation and recording of values and data on its own
- Simple display and menu functions for evaluation of the latest current levels in the line
- Data record in an internal memory for a period of up to 14 days
- Data evaluation by related software on a conventional PC
- Simultaneous use of several clamps possible

### Application



#### Ordering details

Intelligent current measuring clamp EmCheck® ISMZ I

#### Art. No.

122010020