



Armour Safe



PRECISION SPECTROMETERS

The Best possible protection for your appliances



Safety Functions



Industries across the world use a large number of electrical and electronic systems, instruments and devices for their various needs; these include expensive and critical analytical instruments and equipment that are highly sensitive to electrical power supply conditions. Good quality power supply for such instruments is not merely important, but mission-critical, as issues in the input power supply, such as surges and spikes, can subject sensitive components to conditions well beyond their rated operating capacities / ranges resulting in malfunctions and/or failures that lead to downtime – which has tremendous negative implications for productivity and quality – as well as large, unanticipated expenses on repairs and spares. In extreme cases, poor quality of power supply can also result in electrical shocks which can be very dangerous.

A new era for equipment safety!

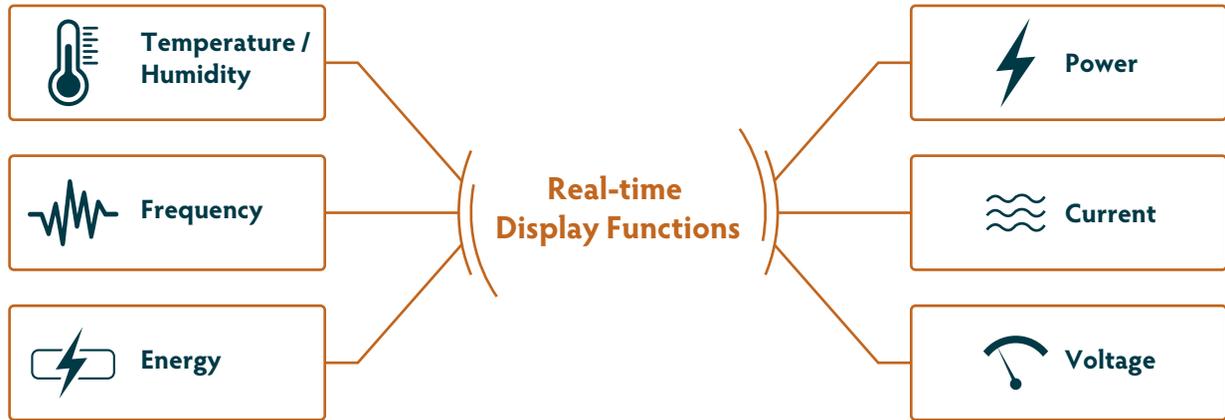
The ArmourSafe from Metal Power is a futuristic industry-standard Electrical Safety Device that detects anomalies in the input power and reacts instantly (real-time) to cut the power supplied to the connected instrument/s, thereby preventing any kind of malfunctioning or failure. Further, ArmourSafe logs data for easy diagnosis and audit – which also helps the audit and insurance processes. ArmourSafe accurately measures and monitors all the major electrical parameters providing 20+ safety features with instant tripping of power supply when faced with irregularities at the input terminal. The integrated touchscreen display enables user to monitor the electrical parameters in real-time and also configure settings as required for the connected device to be safeguarded

Salient Features

- **Live Monitoring:** Major electrical parameters like Voltage, Current, Power Factor, Frequency, Active Power, Reactive Power, Apparent Power, Temperature, Humidity & Energy are actively displayed on the ArmourSafe's display screen
- **Wide range of safety functions:** Protection from Over-Voltage, Under-Voltage, Over-Current, Under-Current, Under-Frequency, Over-Frequency, Over-Temperature, Under-Temperature, E-N Voltage under limit, E-N Volt over limit, L-N rev Fault, GND open Fault, N-open Fault
- **Touch to Configure:** Touchscreen display allows users to configure individual tolerances for each parameter. Users can also re-load / re-use settings from pre-saved configurations
- **Fault Indicator:** Indicates the details of fault for better understanding
- **Smart Scheduler:** Switch your devices on/off automatically and intelligently by creating events using a specific date/time routine
- **Real-time logger:** Data logging with time stamping
- **Power Back-up:** 5 hours battery back-up during power cut-off (In-built)
- **Cloud connectivity:** IoT enabled connectivity with mobile & web application for real-time monitoring & diagnostic feature (Optional)
- **Wall mountable and easy to install**

Powerful app Interface

ArmourSafe comes with a powerful app-based interface that gives you a complete overview and control of all functions and allows individual configuration of the various machines that are protected by ArmourSafe.



Touch Screen Enabled

ArmourSafe's control panel incorporates an easy to use state-of-the-art user interface. The responsive touch screen makes it fast and simple to use.



Technical Specifications

- Rated Voltage: 100 – 300 VAC
- Frequency: 50/60 Hz
- Maximum Current: 10 A (No Inductive Load)
- Tripping Accuracy: +/- 1%
- Output Sockets: Six (Expandable)
- Operating Temperature: 0°C to 50°C

ArmourSafe will not only save you money but also keep your electrical system up and running – leading to immediate benefits on instrument up-time, maintenance costs and the productivity of your instrument/s, Lab and Plant!

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