

# VPA Voltage peak analyzer



# Voltage peak analyzer

## Measurement and continuous record of e+a Stress Index

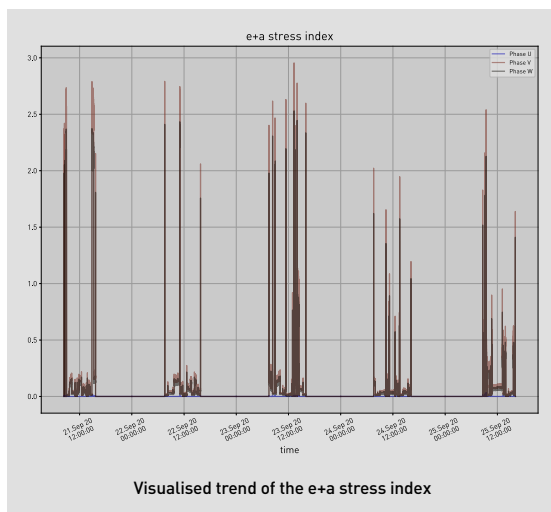


An unfavourable combination of inverter configuration, output filter, power cables and plugs can lead to increased voltage peaks at the motor. This imposes additional stress on the motor insulation system.

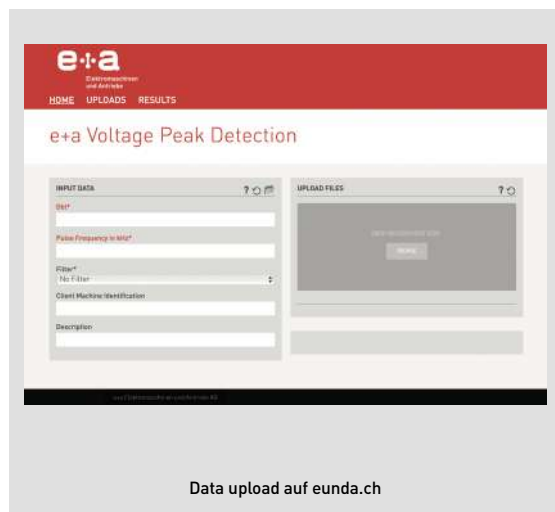
- ✦ Precise measurement of all phase voltages
  - 5 MS/s sampling rate
  - 16 Bit analogue-to-digital conversion
  - 5.6 kV differential voltage probes
  - Simple integration into control cabinet
- ✦ Robust industrial personal computer
- ✦ Many connecting options

To evaluate this stress, a summary index was defined with the e+a stress index, which allows the user to estimate the risk of premature insulation damage. In extreme cases, the additional stress can lead to premature failure of the drive.

- ✦ Fully automated recording
  - Memory space for several months
  - No user entry required
  - LED status display
- ✦ Fast and comprehensive analysis
  - Display of real-time data in e+a software
  - All data saved in open formats
  - Additional data visualisation on eunda.ch website



The voltage peak analyzer allows the automated measurement, calculation and continuous recording of the e+a stress index over a large period of time without requiring further measurement devices.



All measurement data is stored in open file formats on the device. Furthermore, the recorded data can be visualised on «eunda.ch» via a tool. This allows the user to easily analyse the observation period.

