



Measure. Regulate. Across all grids.

- this is our goal.

With our future-oriented solutions, we help our customers to face future challenges

Product overview

Shaping the grid infrastructure of tomorrow

A. Eberle GmbH & Co. KG

Frankenstraße 160 90461 Nürnberg Deutschland +49(0)911 628108-0 info@a-eberle.de www.a-eberle.de



40 Years of experience in measure and regulation technology

Founded in 1980

100 Employees

all dedicated to our corporate mission:

Clarity, Openness & Fairness

Active at all voltage levels

in production, transport and

distribution of electrical energy

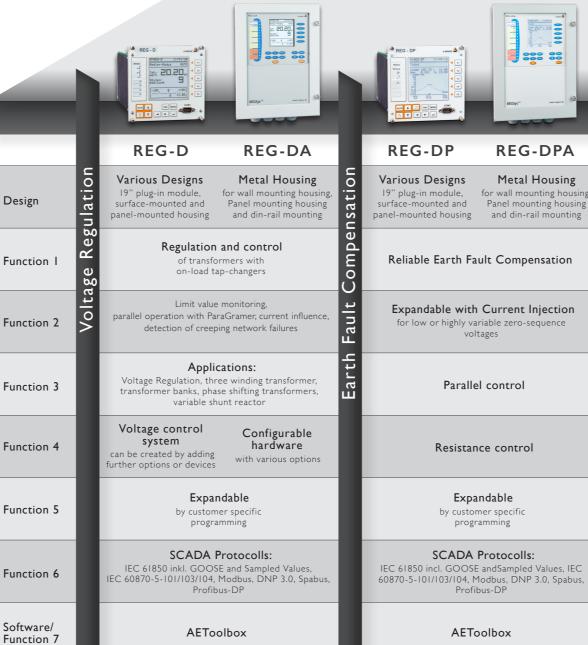
Operating internationally

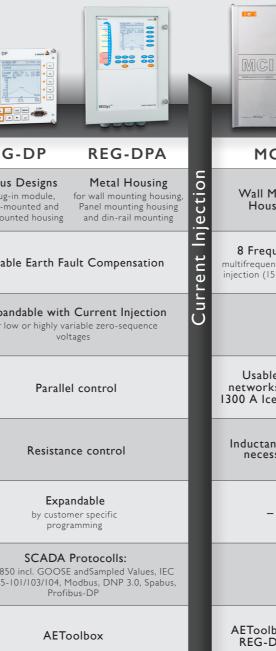
in approx. 65 countries

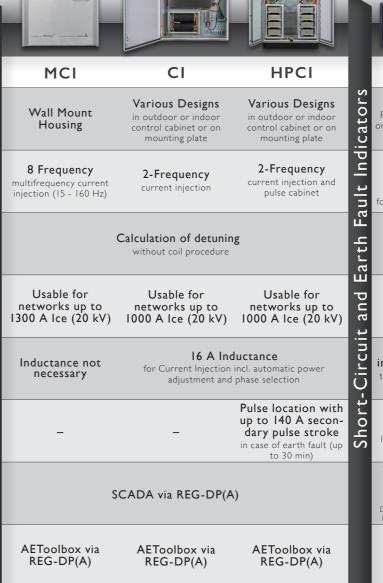
Management ISO 9001:2015 www.tuv.com

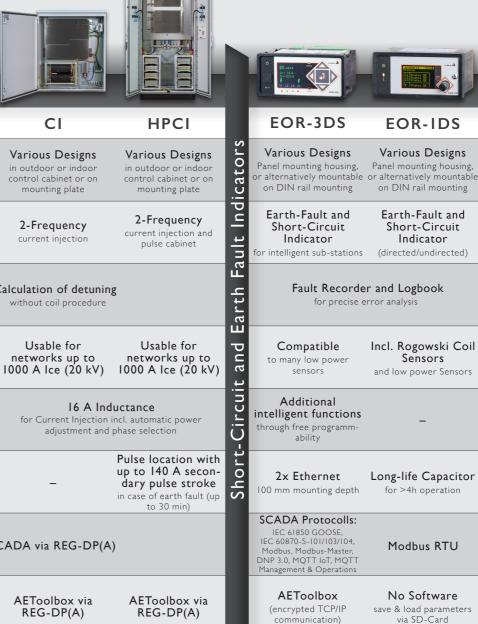
ISO/IEC 27001:2013

and located at "FrankenCampus" in Nuremberg Design Function I Software/











Intuitive operating

concept

via display

Highly efficient > 99,5 %

Easy installation as a cable distribution

Simplest parameterization cabinet

Adjustable response Immediate time of the

regulation controller

< 30 ms response time < 30 ms to 100 s

Operating Temperature

-40°C up to +50°C ambient temperature

Comparison Power Quality Tools

Simply ingenious, ingeniously simple.





PQ-Box 150

4 (32) GB

20,48 kHz / -

20,48 kHz

4 (24-bit)

4 (24-bit)

4,0 h

IP65

• (4,5)

< 0.05 %

9 kHz

SI

Light Expert

Basic+



PQ-Box 300

8 (32) GB

409,60 kHz / 409,60 kHz

40,96 kHz

4 (24-bit)

5 (24-bit)

3.5 h

IP65

• (4,5)

1/0

• (accessories)

• (accessories)

< 0.05 %

170 kHz

SI





PQI-DE

I (32) GB

40.96 kHz / 40 kHz

up to 40,96 kHz

4 (16-bit)

5 (16-bit)

Supercap

IP54

• (5,0)

8/4

< 0.05 %

9 kHz

We support you with our expertise and our well-equipped device lending pool including all necessary measurement accessories. After the network analysis, we will develop a solution with you based on the measurement data and evaluation.



Power Quality Services

Expert knowledge, tailored to your requirements

- Network analysis according to EN 50160 and IEC 61000-2-2, -2-4, -2-12
- Discover the causes of grid problems quickly and in a targeted way
- Problem-focused assessment for every application
- Use of our high-grade Power Quality Analysers



WinPQ Software

TOP / DOWN analysis

Visualize your Power Quality data

Autoreporting per measuring point

Plug&Play installation thanks to guided wizard

• Separate flow chart for each measuring point

• Security by Design according to BDEW Whitepaper

quality analyzers from A. Eberle. Monitor power quality permanentely - from high to low voltage in one system. Intuitive operation despite large data volumes.

WinPQ mobil & PQ-Box App

Features of the WinPQ mobil

- Extensive evaluation functions such as load analysis or the ability to determine the cause of network faults
- Automatic report creation to preset or freely adjustable standard settings
- Free software and free updates of the evaluation software and device firmware

PQ-Box App for Android and iOS

A free app for Android and iOS operating systems allows all PQ Boxes with integrated WLAN/Wi-Fi interfaces to be operated wirelessly. A wide range of online screens is available. It is also very easy to set device parameters for all measuring devices using a smartphone.

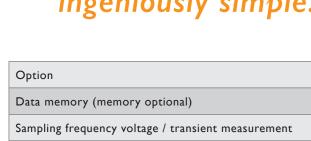












Option	_
Data memory (memory optional)	7
Sampling frequency voltage / transient measurement	Σ
Sampling frequency current	1.
Input voltage (resolution)	-
Input current (resolution)	Month of the second of the sec
Bridging energy failure	3
IP protection	۵
Voltage harmonics according to IEC 61000-4-30 Ed. 3 Kl. A	
Voltage harmonics 200 Hz frequency bands - 2 kHz to 9 kHz (IEC 61000-4-7)	
Display (Inch)	
Digital In- and Outputs (Trigger)	
Residual Current Monitoring RCM & FCM	
Temperature input for PTI00 / PTI000 / KTY	
Automatic evaluation according to norms	
Magnitude V, A	
Voltage and current harmonics up to	



Light

I GB

20,48 kHz / -

20.48 kHz

4 (16-bit)

4 (16-bit)

1,5 h

IP65

•

< 0.1 %

H50

Expert





PQ-Box 200

4 (32) GB

40,96 kHz / 4 MHz

40,96 kHz

4 (24-bit)

5 (24-bit)

IP65

• (4,5)

1/0

(accessories)

• (accessories)

< 0.05 %

9 kHz

4.0 h

ΤI

3,5 h



PQI-DA smart

I (32) GB

40,96 kHz / 40 kHz

40,96 kHz optional

4 (16-bit)

4 (16-bit)

Supercap

IP20

(1,7)

2/2

< 0.05 %

9 kHz



