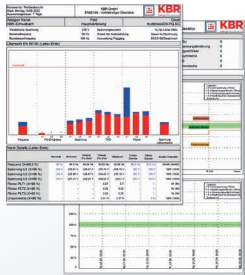


Reliable power quality

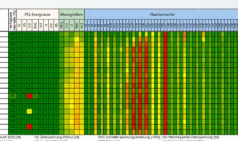
With Power Quality Monitoring



- ✔ **Sit back and relax – you're in complete control!**
Thanks to automatic reports and notifications, you always know what your power quality is like – without any extra effort or special knowledge.
- ✔ **Fast solutions – everything under control**
When grid disturbances occur, KBR Power Quality experts can immediately access the data and quickly offer a solution – without additional measurements.
- ✔ **Act proactively with predictable investments**
Weak points in the power grid are identified early on, allowing you to respond in a timely manner.



Precise and easy to understand – the weekly DIN EN 50160 standard report*



incl. heat maps

*Available only in German

Get quick help or let us advise you!

info@kbr.de

T +49 9122 6373 - 0



<https://www.kbr.de/en/customer-service-contact/>

Disturbance variables

That may arise in your network



Harmonics



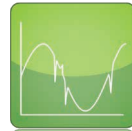
Neutral conductor overload



Voltage dips and flicker



Unbalance



Commutation notch



Cycle frequency

Power quality at a glance: With Power Quality Monitoring

- ✔ Monitor your power quality in accordance to DIN EN 50160
- ✔ Operational safety through messages and fault records immediately after voltage events occur
- ✔ Save time with automatic weekly reports
- ✔ Convenient overview of power quality as a heat map
- ✔ Securing measurement data for comprehensive fault evaluation

Want to learn more?
Don't hesitate to contact us!



<https://www.kbr.de/en/customer-service-contact/>

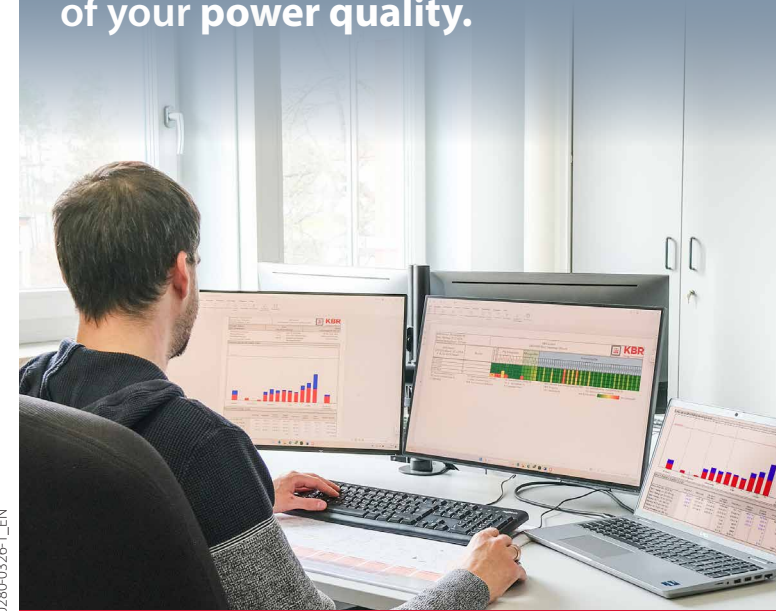
KBR EnergyManagement GmbH

Am Kieferschlag 7
D-91126 Schwabach
T +49 9122 6373 - 0
E info@kbr.de

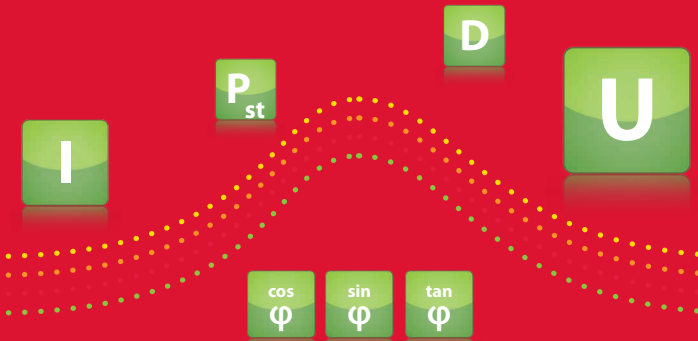
www.kbr.de

Power Quality Monitoring

Confidence through active monitoring of your power quality.



30274_EDEPRO0280-0326-1_EN



KBR. Because energy is precious.



10 signs of poor power quality

Are you familiar with this?



Flickering lamps

Light suddenly changes brightness.



Machine stops

Systems come to an unexpected halt.



Frequent restarts

Devices switch off and on again.



Buzzing devices

Unusual noises coming from transformers or motors.



Higher energy costs

Without any apparent cause.



Fuse failures

Circuit breakers trip for no reason.



Overheating

Devices or cables become unusually warm.



Network disruptions

Data loss or connection problems.



Rapid wear

Shortened lifespan of electronic devices.



Power fluctuations

Engines are running unevenly.

Your all-inclusive packages

At an unbeatable price

Package	Measurement and reporting	Security	Analysis	Reporting	Service	Support	Hotline	Article No.	
Basic	Safety through continuous measurement and reporting up to 2.5 kHz	✓	✓	✓	✓	–	–	–	Article Nr. 100267 ³
Comfort	Safety through continuous measurement and reporting up to 20 kHz	✓	✓	✓	✓	✓	–	–	Article Nr. 100268 ³
Premium	Security through continuous measurement and reporting, including trend analysis and service	✓	✓	✓	✓	✓	✓	✓	Article Nr. 100269 ³

Weekly DIN EN 50160 power quality report¹

Fault records and voltage events immediately after their occurrence

Compact PQ overview monthly and yearly as a heat map

Backup of measurement data for 24 months

Measurement and evaluation in the frequency range up to 20 kHz

Annual power quality analysis report by a VDE-certified PQ expert

4 hotline hours per year with PQ experts²

³ Consulting in German / English on request



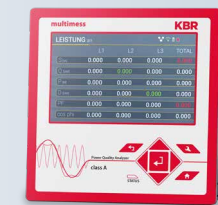
Add flexibly: **Power Quality Monitoring PLUS**

Your upgrade for the **Basic** and **Comfort** plan. Benefit from insightful analyses of your reports. **Every quarter.**

Our power quality experts show you where action is required – based on **continuous data.**

Measurement technology - Class A power quality analyzer

- Continuous monitoring of power quality using fault recorders
- Measurement and monitoring of power quality according to IEC 61000-4-30 / EN 50160
- Optional: measurement of harmonics up to 20 kHz
- And many more features



multimes F144-PQ



multimes D9-PQ

made in Germany

¹ Available only in German

² Consulting in German / English on request