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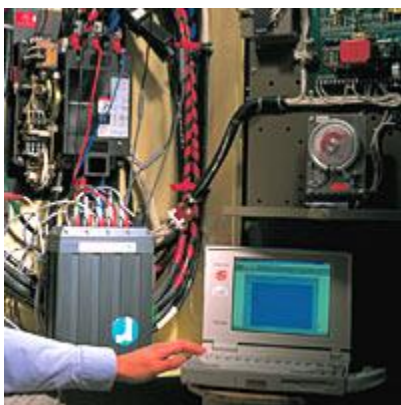
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## Переносной силовой прибор RPM



### Simply disclose everything, every event, every parameter, on every cycle, all the time – within seconds

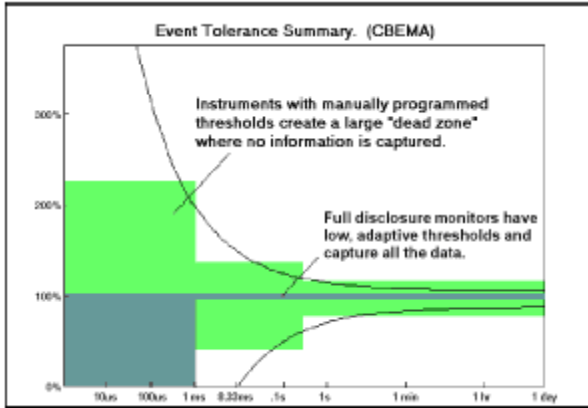
No longer will your power distribution system hold any secrets. The power recorder series is a unique range of instruments that increase your ability to maintain and troubleshoot your plant's power quality. They monitor every aspect of power without blind spots or gaps, on all conductors in your 3-phase distribution system. 9 channels allow you to exactly monitor what's happening on the neutral and ground conductors as well. Unlike other power monitors, every parameter on every conductor is measured all the time. And they are easy to use. Within seconds you will have your first measurements. There's no need to set trigger thresholds or reconfigure the instrument. Just hook it up and start monitoring.



- 4 voltage channels to measure the three phases plus neutral-to-ground voltage.
- Unique 5 current channels allow you to monitor neutral and ground current in addition to the individual phases.
- The power recorder looks at every cycle for power quality events such as sags, swells, interruptions and transients on all channels simultaneously. You will see everything from sub-cycle transients to
- Don't know what to look for? Don't worry, you don't need to set trigger thresholds. Adaptive thresholds optimize event capture. You won't be disappointed about missed events or a memory full of noise
- Records true RMS voltage, true RMS current, frequency, harmonics, power consumption parameters (W, kWh, VA, VAR, PF) and imbalance.
- Analyzes voltage characteristics according to the EN50160 standard.
- Transient capture down to 500 ns duration and 6400 Vpk.

- High-speed waveform capture allows you to display transients as fast as 500 ns.
- Stores up to 96,000 events.
- Real-time oscilloscope shows all 9 channels simultaneously.
- Aluminum enclosure is designed to handle a lifetime of use.
- Ethernet interface makes downloads fast and easy and TCP/IP enables communication via Internet.
- Wide selection of models. Whether portable or for fixed installations, just pick the model that fits your application best. Growing needs? You can always expand capabilities by adding options later.

## Software completes the system

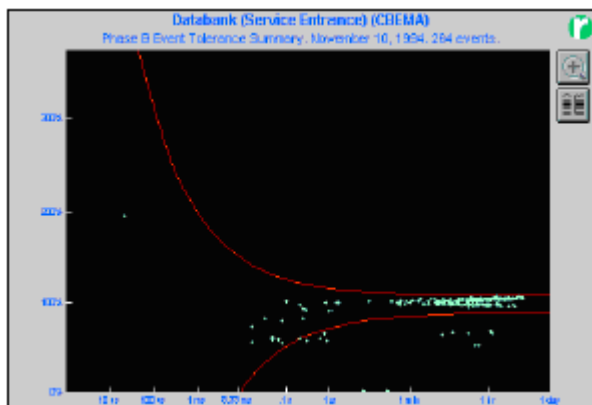


*Capture thousands of events without setting any threshold using the unique Full Disclosure technology.*

There are two software packages available for the Power Recorder:

- The Power Analysis System software and
- The Scenario software.
- Both packages handle seamless communication with the Power Recorder, graphical display of power-system parameters, and data-management tools.

## Power Analysis System software

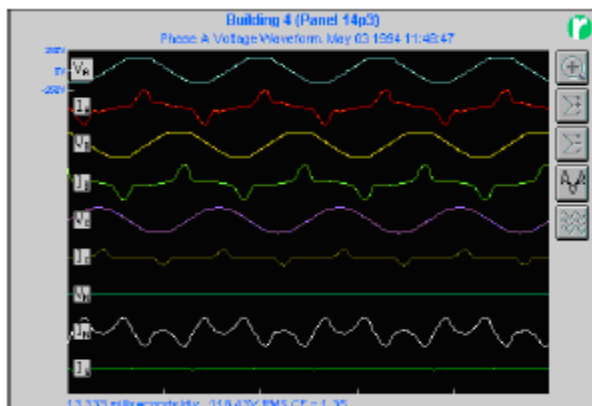


*Plot events on any power tolerance curve. You can create your own or use CBEMA, ITIC and ANSI curves*

For the Power Analysis System software there are two optional packages available:

- Report writer software. This software analyzes all the data collected. It sorts events and summary data and merges graphs with Microsoft Word for easy documentation and report creation.
- Polling and alarm software. This automates collection of data from multiple monitors to: alert key personnel to serious events by executing alarm procedures. easily centralize data collection via

## The Scenario software



*Real-time waveform display shows up to 9 channels (4 voltage, 5 current) including ground and neutral current.*

This powerful software package performs predictive analysis, manages data and gives advanced warning to avoid shutdowns.

- Allows plotting of multiple-measurement sessions on one timescale
- Includes facilities for comparing trends from multiple databases
- Calculates a Power Quality Index - a single figure of merit that characterizes the overall performance of a power system. The Power Quality Index allows you to determine system-performance trends over

| Specifications               |                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of channels           | Voltage channels: 4<br>Current channels: 5                                                                                                                                                 |
| Voltage (phase)              | Range: 100 mV - 600 VRMS, 1000 V peak<br>Sampling rate: 6.4 kS/s <sup>1</sup> or 2 MS/s <sup>2</sup><br>Resolution: 14 bits, 90 mV<br>Accuracy: $\pm(1.5\%$ of reading + 0.5 V)            |
| Voltage (neutral)            | Range: 10 mV - 70 VRMS, 1000 V peak<br>Sampling rate: 6.4 kS/s <sup>1</sup> or 2 MS/s <sup>2</sup><br>Resolution: 14 bits, 90 mV<br>Accuracy: $\pm(1.5\%$ of reading + 0.5 V)              |
| Current                      | Range: Depends upon CT<br>Sampling rate: 6.4 kS/s <sup>1</sup><br>Resolution: 14 bits<br>Accuracy: $\pm(0\%$ of reading + 0.1% of probe range + probe uncertainty)                         |
| Transient Capture            | Range: 200 - 1000 V peak<br>Sampling rate: 6.4 kS/s <sup>1</sup><br>Resolution: 10 bits, 12 V<br>Accuracy: $\pm(5\%$ of reading + 36 V)                                                    |
| High speed transient capture | Range: 200 - 6400 V peak<br>Sampling rate: 6.4 kS/s <sup>1</sup><br>Resolution: 10 bits, 12 V<br>Accuracy: $\pm(5\%$ of reading + 36 V)                                                    |
| Notes:                       | <sup>1</sup> ) 50 Hz line frequency<br><sup>2</sup> ) For high speed models<br>Nominal fundamental frequency: 50/60 Hz $\pm$ 0.1 Hz<br>Voltage and current sampling: 128 samples per cycle |

| Environmental Specifications    |           |
|---------------------------------|-----------|
| Operating Temperature           | 0 - 50 °C |
| Humidity (Without Condensation) | 90%       |

| Safety Specifications |                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------|
| Safety Rating         | IEC 61010-1 CAT III 600 V                                                                    |
| Standards:            | Measurements: IEC 61000-4-30 Class B using cycle based techniques<br>Power Quality: EN 50160 |

| Mechanical & General Specifications |                                                                                                                                                                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size                                | 21.25 x 30 x 7.5 cm                                                                                                                                                                                                                                                        |
| Weight                              | 6 kg                                                                                                                                                                                                                                                                       |
| Warranty                            | 1 year                                                                                                                                                                                                                                                                     |
| Case                                | Rugged, aluminium casing                                                                                                                                                                                                                                                   |
| Power, battery life                 | Mains: 85 - 264 VAC, 47 - 440 Hz<br>DC: 10 - 15 V with 4255 Cable<br>Backup: NiCd, recharges automatically while power is applied Powers the instrument for 5 minutes then controlled shutdown. Monitoring resumes after power is restored.<br><br>Power Consumption: 40 W |

|                      |                                                   |
|----------------------|---------------------------------------------------|
| <b>Communication</b> | 10Base-T Ethernet, RJ45 connector or via Internet |
|----------------------|---------------------------------------------------|

| <b>Cases and Holsters</b> |                                                    |
|---------------------------|----------------------------------------------------|
| 4005 Container            | Покупательский контейнер многократного пользования |
| 4003 Caddy                | Покупательский контейнер с колесами                |

| <b>Rack Mounts and Hardware</b> |                                            |
|---------------------------------|--------------------------------------------|
| 4008 Brackets                   | Кронштейны монитора для настенного монтажа |
| 4006 Cable                      | Стальной трос с замком длиной 1,8 м        |

| <b>Καбели</b> |                                 |
|---------------|---------------------------------|
| 4255          | Καбель питания постоянного тока |

| <b>Опции</b> |                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------|
| 1652/OPK     | Δξᾱῦβλᾱες σχές Βς, κΒς/χῦρ, Βῖ, βῦπ θ Cos Φ κ βξημξζνξρςᾱ βεπρθῖ /B, /F θ /L                                          |
| 1658/OPK     | Добавляет отображение форм сигнала с частотой выборки 2 Мвыб/с к возможностям версий /B, /F и /H                      |
| 1653/OPK     | Добавляет учет спектра гармоник, суммарного коэффициента гармоник, дисбаланса и фликкер-шума к возможностям версии /B |
| 1651/OPK     | Опция измерения качества электроэнергии (стандартная в версиях /B,/F,/H,/L и /M)                                      |
| 1663/OPK     | пакет TCP/IP (стандартный для версий /B,/F,/H,/L и /M)                                                                |
| 1662/OPK     | Увеличивает количество захватов событий до 96000 для версии /B                                                        |

| <b>Программное обеспечение</b> |                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------|
| 5400/RPM                       | Аналитическое программное обеспечение Scenario                                                        |
| 5905/RPM                       | Добавляет функции Report Writer и Master Polling в программное обеспечение для анализа электроэнергии |
| 5903/RPM                       | Добавляет функцию Master Polling в программное обеспечение для анализа электроэнергии                 |
| 5904/RPM                       | Добавляет функцию Sub-Polling в программное обеспечение для анализа электроэнергии                    |
| 5000S/RPM                      | Программное обеспечение для анализа электроэнергии                                                    |
| 5000/RPM                       | Программное обеспечение для анализа электроэнергии                                                    |
| 5600S/RPM                      | Программное обеспечение для анализа электроэнергии с функциями Report Writer и Master Polling         |
| 5600/RPM                       | Программное обеспечение для анализа электроэнергии с функциями Report Writer и Master Polling         |

| <b>Токовые клещи</b>            |                                                       |
|---------------------------------|-------------------------------------------------------|
| Model 3100R Current Transformer | Model 3100R Clamp-on Current Transformer              |
| Model 3112/RPM CT               | Model 3112/RPM Flexi-CT™ Flexible Current Transformer |

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| Model 3120R Current Transformer | Model 3120R Clamp-on Current Transformer              |
| Model 3212/RPM CT               | Model 3212/RPM Flexi-CT™ Flexible Current Transformer |

**По вопросам продажи и поддержки обращайтесь:**

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