

| Basic measurements                            | Application use   | Single-Phase | Three-Phase |         |      |      |       |        |      |
|---|---|--------------|-------------|---------|------|------|-------|--------|------|
|   |   | VR1710       | 1732/34     | 1736/38 | 1742 | 1746 | 1773  | 1775   | 1777 |
| <b>Energy Studies</b>                         |   |              |             |         |      |      |       |        |      |
| Measure V, I, kW, Cos/DPF, kWhr               | Get detailed power and energy consumption profiles during energy audits and pinpoint savings opportunities                                    |              | •           | •       | •    | •    | •     | •      | •    |
| Measure MIN/MAX and AVG values                |   |              | •           | •       | •    | •    | •     | •      | •    |
| Waste energy monetisation                     |   |              |             |         |      |      |       |        |      |
| <b>Basic Harmonics Study</b>                  |   |              |             |         |      |      |       |        |      |
| THD measurement (V & I)                       | Discover the source of distortion in your installation, so that you can filter those loads or move them to separate circuits                  | •            | •           | •       | •    | •    | •     | •      | •    |
| Harmonics 1 to 25 for V & I                   |   | (V only)     |             | •       |      | •    | •     | •      | •    |
| <b>Advanced Harmonics Study</b>               |   |              |             |         |      |      |       |        |      |
| Full harmonic spectrum                        | If distorting loads are causing problems in your installation, you need comprehensive data to identify the source and create a solution       |              |             | •       |      | •    | •     | •      | •    |
| Power harmonics                               |   |              |             |         |      |      | •     | •      | •    |
| <b>Basic Industrial PQ Troubleshooting</b>    |   |              |             |         |      |      |       |        |      |
| Oscilloscope function                         | When troubleshooting in the field, graphical data enables you to trace the source of the problem at hand                                      |              |             | •       |      |      | •     | •      | •    |
| Voltage dips and swells                       |   | •            |             | •       |      | •    | •     | •      | •    |
| <b>Advanced Industrial PQ Troubleshooting</b> |   |              |             |         |      |      |       |        |      |
| Comprehensive logging capability              | Complex installations often require a deeper dive into measurement data. Multiple loads may be interacting randomly to cause a single problem |              |             | •       | •    | •    | •     | •      | •    |
| Transient capture                             |   | •            |             | •       |      |      | •     | •      | •    |
| Flicker                                       |   | •            |             |         | •    | •    | •     | •      | •    |
| Event capture and transients with waveforms   |   |              |             |         |      |      | •     | •      |      |
| 8kV transients                                |   |              |             |         |      |      | 1 Mhz | 20 Mhz |      |
| <b>Features</b>                               |   |              |             |         |      |      |       |        |      |
| Inrush  |   |              |             | •       |      | •    | •     | •      | •    |
| Flicker                                       |   |              |             |         | •    | •    | •     | •      | •    |
| Transients                                    |   |              |             |         |      |      | •     | •      | •    |
| Mains signaling                               |   |              |             |         |      | •    | •     | •      | •    |
| Power wave                                    |   |              |             |         |      |      | •     | •      | •    |
| Event waveform capture                        |   |              |             | •       |      |      | •     | •      | •    |
| Power inverter efficiency                     |   |              |             |         |      |      | •     | •      | •    |

