

Parameters of analyzers PQM-711, PQM-710, PQM-703, PQM-702, PQM-701, PQM-701Z, PQM-701Zr:

| Parameter | | Measurement range | Max. resolution | Accuracy |
|--|---------------------|--|---|---|
| Alternating voltage (TRMS) | — | 0.0...760.0V | 0.01 % U _n | ±0.1% U _n |
| Crest factor | Voltage | 1.00...10.00 (≤1.65 for 690 V voltage) | 0.01 | ±5% |
| | current | 1.00...10.00 (≤3,6 I _{nom}) | 0.01 | ± 5% m.v. |
| Alternating current TRMS | — | depending on clamp* | 0.01% of nominal range | ±0.1% of nominal range (error does not account for clamp error) |
| Frequency | — | 40.00...70.00 Hz | 0.01Hz | ±0.01 Hz |
| Active, reactive, apparent and distortion power | — | depending on configuration (transformers, clamp) | up to four decimal places | depending on configuration (transformers, clamp) |
| Active, reactive apparent energy | — | depending on configuration (transformers, clamp) | up to four decimal places | as power error |
| cosφ and power factor (PF) | — | 0.00...1,00 | 0.01 | ±0.03 |
| tgφ | — | 0.00...10.00 | 0.01 | depends on active and reactive power error |
| Harmonics and interharmonics - PQM-702 only | Voltage | as for alternating voltage True RMS | as for alternating voltage True RMS | ±5% U _n for U _n <1% U _n ±0.05% U _n for U _n <1% U _n |
| | Current | as for alternating voltage True RMS | as for alternating voltage True RMS | ± 5% I _n for I _n <3% I _n ± 0.15% I _n for I _n <3% I _n |
| THD | Voltage | 0.0..100.0% | 0.1% | ±5% |
| | Current | (in regards to the rms value) | | ±5% |
| Active and reactive power of harmonics | — | depending on configuration (transformers, clamp) | depending on minimal current and voltage values | — |
| Angle between current and voltage harmonics | — | -180.0...+180.0° | 0.1° | ±(h x 1°) |
| K- factor | — | 1.0...50.0 | 0.1 | ±10% |
| Flicker severity P _{ST} , P _{LT} | — | 0.20...10.00 | 0.01 | ±5% |
| Voltage unbalance | Voltage and current | 0.0...20.0% | 0.1% | ±0.15% (absolute error) |
| Mains signalling (PQM-703 only) | Voltage | 5...3000 Hz | 0.01HZ | ±0.15% U _n for 1...3% U _n , 5% U _n for 3...15% U _n |
| Transients (PQM-703 only) | | ±6000 V | 5 V | ±(5% + 25 V) |

*Clamp F-1, F-2, F-3: 0..3000A (10000A_{p-p}) *Clamp C-4: 0..1000A (3600A_{p-p}) *Clamp C-5: 0..1000A (3600A_{p-p}) *Clamp C-6: 0..10A (36A_{p-p}) (without current transformers)

Additional accessories for analyzers:



| Clamp | C-4 | C-5 | C-6 | C-7 | F-1 | F-2 | F-3 |
|--------------------------------|--------------|----------------------|--------------|---------------|--------------|------------|------------|
| INDEX | WACEGC40KR | WACEGC50KR | WACEGC60KR | WACEGC70KR | WACEGF10KR | WACEGF20KR | WACEGF30KR |
| Rated current | 1000A AC | 1000A AC 1400A DC | 10A AC | 100 A AC | 3000A AC | | |
| Max. overload current | 1200A AC | 1000A AC 3000A DC | 20A AC | 100 A AC | 10kA AC | | |
| Minimal measurable current | 100mA | 500mA | 10mA | 20 mA | 1A | | |
| Frequency | 30Hz...10kHz | DC...5kHz | 40Hz...10kHz | 40 Hz...1 kHz | 40Hz...10kHz | | |
| Input signal level | 1mV / 1A | 1mV / 1A | 100mV / 1A | 500 mV / 1A | 38.8µV / 1A | | |
| Max. diameter of measured cord | 52mm | 39mm | 20mm | 24 mm | 360mm | 235mm | 120mm |
| Minimal basic accuracy | ≤0.5% | ≤1.5% | ≤1% | 0,5% | 1% | | |
| Battery power supply | — | + | — | — | — | | |
| Lead length | 2.2m | 2.2m | 2.2m | 3 m | 2.2m | | |
| Measurement category | IV 300V | IV 300V | IV 300V | III 300 V | IV 600V | | |
| Protection class | IP 40 | IP 40 | IP 40 | IP 40 | IP 67 | | |



- C-4 clamp up to 1000 A AC **WACEGC40KR**
- C-5 clamp up to 1000 A AC/DC **WACEGC50KR**
- C-6 clamp up to 10 A AC **WACEGC60KR**
- C-7 clamp up to 100 A AC **WACEGC70KR**
- F-1 clamp up to 3 kA AC (Ø38 cm) **WACEGF10KR**
- F-2 clamp up to 3 kA AC (Ø25 cm) **WACEGF20KR**
- GPS antenna with 10 m cord (PQM-702) **WAPOZANT10GPS**
- rechargeable battery (replaceable in the SONEL service shop) **WAAKU09**
- hard case for clamps **WAWALL2**

