GRUPPO ENERGIA CAPACITORS
*live with energy...*

DPA007L2K power analyzer is perfect solution for the control and analyzing of the single and three phase LV and MV energy distribution systems.

Thanks to its wide range of measurements in all four quadrants, the advanced multimeter is able to detect problems in your electrical which otherwise could put the quality and availability of electricity at risk.

It monitors and records, thanks to internal 512 MB memory, all common parameters like frequency, line and phase voltages, currents, unbalances, active and reactive powers, power factors and up to 50 harmonics as well as the total harmonic distortion.

The large color LCD display allows you to conveniently and directly control the actual waveshapes (oscillograms) of all measured voltages and currents, phasor diagram and harmonic graphic of THDi and THDu directly from the device.

## TECHNICAL SPECIFICATIONS

| General specification | |
|---|---|
| Standards: | IEC 61557-12 |
| Origin: | 100% made in Italy |
| Supply voltage: | 110 ÷ 250 Vac/dc |
| Working frequency: | 50/60 Hz |
| Measured Voltage: | 180÷250VAC (L-N)/312 ÷ 433VAC (L-L) |
| Current Inputs: | 1 ÷ 5 A AC |
| Internal memory: | 512MB for recording |
| Communication: | USB, Modbus TCP, USB |
| Dimension: | 96×58x96 mm (WxDxH) |
| Installation cutout: | 92+1 x 92+1 mm |
| Protection rating: | IP40 (optional IP54) front panel |
| Operating temperature: | -25 ºC +60 ºC |

| Metering | |
|---|---|
| Voltage (ULN, ULL): | U1, U2, U3, U12, U23, U31 [act, avg, avg max, avg min] |
| Current (I): | IL1, IL2, IL3 [act, avg, avg max, avg min] |
| Power (P): | P1, P2, P3, 3P (import, export, total, 1st harmonic) [act, avg, avg max, avg min] |
| Reactive Power: | Q1, Q2, Q3, 3Q (import, export, total, 1st harmonic) [act, avg, avg max, avg min] |
| Apparent Power (S): | S1, S2, S3, 3S [act, avg, avgmax, avgmin] |
| Harm. Distortion Power (D): | D1, D2, D3 [act, avg, avg max, avg min] |
| Power Factor (PF), cosφ: | PF1, PF2, PF3, 3PF, cosφ1, cosφ2, cosφ3, 3cosφ [act, avg, avg max, avg min] |
| Symmetrical Components: | zero, negative and positive sequence components of voltage and current |
| Unbalance factor: | unbl, unbU, φnsl |
| Voltage THD (THDU): | THDU1, THDU2, THDU3, THDU12, THDU23, THDU31 |
| Current THD (THDI): | THDI1, THDI2, THDI3 |
| Individual Harmonics: | Harmonics 1st to 50th of U and I, their angles and interharm subgroups (PQ S) |
| Fundament. Harmonic (Ufh, Ifh): | U1fh, U2fh, U3fh, I1fh, I2fh, I3fh |
| Active Energy: | class 0.5S (62053-22), import/export, per phase, per tariff, total |
| Reactive Energy: | class 1S (62053-24), 4 quadrants, per phase, per tariff, total |

| Data Logging | |
|---|---|
| Main Archive: | min., max., avg. values of ULN, ULL, I, P, Q, S, D, THDU, THDI, f, Avg. values of harmonics and their angles, Ufh, Ifh,Symmetrical components, Unb. factors, state of I/Os |
| Electricity Meter Readings: | Active and reactive imp. and exp. energy per phase (L1, L2, L3) and per tariff (T1, T2, T3) |

| Other | |
|---|---|
| Alarms: | Logical functions, under/over limit of U, I, P, Q, S, unbl, THD, cos, f |
| Inputs/Outputs: | 1 relay output (RO), 1 digital output (DO) and 1 digital input (DI) |
| RTC: | seconds, minutes, hours, days, months, years |