

Flush-mount LED multimeters, non expandable 47 electrical parameters



DMK 2...

Order code	Description	Qty per pkg.	Wt
		n°	[kg]
DMK 20	Basic version, auxiliary supply 208...240VAC	1	0.434
DMK 22	Version with energy meters and RS485 port included, auxiliary supply 208...240VAC	1	0.477

General characteristics

DMK 2... digital multimeters are available with flush-mount housing, 96x96mm/3.78x3.78". They monitor and view reliable readings of electrical parameters, even in the presence of critical operating conditions, such as voltages and currents with high harmonic content and variable frequency.

The total and partial hour counter provides an interesting feature for electric panels of emergency generating sets.

The diversified and accurate measurements give the multimeters valuable technical and cost effective advantages with respect to traditional analog instrumentation.

DMK2... digital multimeters view 47 electrical parameters:

- Voltage: phase, line and system values
- Current: phase values
- Power: active and reactive values, apparent phase.
- P.F.: power factor per phase
- Frequency (measured voltage frequency)
- HIGH/LOW: instantaneous minimum and maximum values of each phase voltage and current, total active power (ΣW), total reactive power (Σvar) and total apparent power (ΣVA) values
- Total hours: non-volatile clearable log for DMK 20
- Partial hours: non-volatile configurable log for DMK 20
- Active and reactive energy meters for DMK22 only.

Operational characteristics

- Auxiliary supply voltage range:
 - 154-288VAC for DMK 20
 - 177-264VAC for DMK 22
- Voltage measurement range: 60-830VAC phase-phase
30-480VAC phase-neutral
- Current measurement range: 0.05-6A
- Frequency measurement range: 45-65Hz
- Programmable CT ratio: 1.0-2,000
- Voltage accuracy: Class 0.5 \pm 0.35% f.s. (830V)
- Current accuracy: Class 0.5 \pm 0.5% f.s. (6A)
- Active energy accuracy: Class 2
- Total and partial hour counter (can be used as maintenance with optical alarm and separate resetting) (DMK 20)
- HIGH and LOW value functions to read and log instantaneous voltage, current and power values
- Delayed automatic resetting of default measurements
- Averaging function to slow down repetitive fluctuations to obtain more stable readouts
- Current connection in ARON configuration by 2 current transformers (CTs) only
- Single, two, three-phase, with or without neutral,
- True RMS measurements
- RS485 serial port, compatible with **Synergy** software for DMK 22
- Housing: flush-mount 96x96mm/3.78x3.78"
- EN degree of protection: IP54 on front; IP20 at terminals.

Synergy supervision and energy management software
See Section 29.

Certifications and compliance

Certifications obtained: EAC; UL Listed, for USA and Canada (cULus - File E93601), as Auxiliary Devices-Multimeters.

Compliant with standards: IEC/EN 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL508, CSA C22.2 n°14.