



Elektro-Automatik

Conventional electronic load series EL 9000 DT

Why should I choose for an EA-EL 9000 DT?

Advantages:

- TFT Touch Display with 64.000 colours with integrated comfortable function generator (default waveforms: sinus, triangle, rectangular, trapezoid, DIN 40838/car, ramp) as well as alarm manager and battery test.
- High-performance “FPGA light” (Field-Programmable-Gate-Array Lattice ECP2) and ARM-processor controlled hardware, significantly improving reaction time of analog and digital controls.
- 16 Bit ADC/DACs (high-resolution programming and read-back)
- Voltage accuracy 0.1% of U-nominal
- Highly isolated structure, therefore much less sensitive against disturbances under operation (higher immunity = higher reliability)
- Active damping in the DC-input circuit: Oscillations, typically caused by long DC leads or unexpected impedances of the DC source connected, are significantly reduced.
- Optimised thermal management: Eliminates a sudden stop upon an over-temperature condition. The E-load will adapt the maximum power capability through an automatic derating, subject to the existing thermal conditions.
- Input-filter protection circuit, preventing damage from DC voltage applied that may contain a high-frequency AC part.
- Standard on-board 3-way Interface: Analogue 0-5V/0-10V, USB and Ethernet/LAN (all galvanically isolated)
- Professional user software EA Power Control for up to 20 devices (license fee applies)
- User-calibration function: In case of local servicing, the user can measure the deviation values and key-in the correction values into the menu to restore ex-factory precision
- Safety compliant to IEC/EN 61010
- EMI compliant to EN 61000-6-3, EN 55022 class B (meets EMI requirement for residential-, commercial- and light-industrial environment)