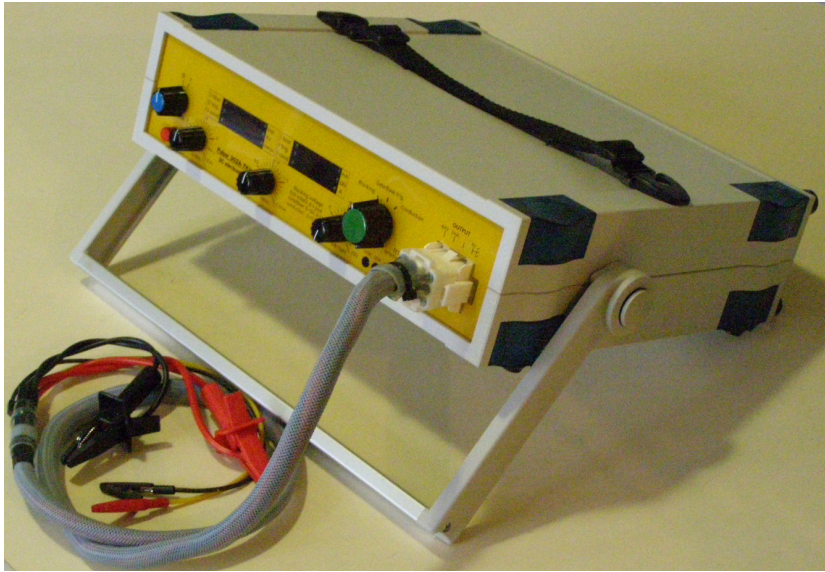




PULSOR 302A—7KV

7 kV tester for Power Semiconductors



IGBTs,
Thyristors,
Diodes,
Transistors,
MOSFETs,
Darlingtons,
GTOs,
Triacs
Varistors, ...

Characteristics (1)

Blocking voltage and leakage current measurements

High voltage generator : Ubloc max : 0/7.00 kV DC, Ibloc max : 0/2 mA 2mA up to 6.5 kV then decreasing to 0 mA at 7 kV

Gate/Base bias voltage : Upol : 0/ -20V $\pm 10\%$ ± 1 graduation

Measurements : Ubloc : 0/8.00kV $\pm 1\%$ ± 2 digits - Ibloc : 0/1.999mA $\pm 1\%$ ± 2 digits

Leds displays : Ubloc, V, KV, Uaccu - Ibloc, mA, UOK, IOK

Gate/Base drive measurements

Gate/Base generator : Pulse : 15V, 15 ohms, tr 1ms, duration 2ms, freq. 1Hz

Conduction generator : Pulse : 15V 2ms rectangular (10A on short circuit)

Measurements (at 5A) : Utrig : 0/15.00V $\pm 3\%$ ± 0.1 V, Itrig : 0/1000mA $\pm 3\%$ ± 10 mA

Leds : TrigOK, Utrig, Volt, Itrig, mA

Conduction measurements

Gate/Base generator : Pulse : 15V, 15 ohms, tr 1ms, duration 2ms, freq. 1Hz

Conduction generator : Pulse : 15V 2ms rectangular (10A on short circuit)

Measures at end of pulse : Ucond : 0/15.00V $\pm 3\%$ ± 0.1 V ; Icond : 0/10.00A $\pm 3\%$ ± 0.1 A

Leds : Ucond, Volt, Icond, A

Other characteristics

Power supply : 2x12V NiMh accumulators.

Internal accumulator's charger : 115/230VAC 20VA. 16 h approx. charging time

Autonomy for each accu. : 0.5-3H testing time, > 4H power on, >100H stand by. (Stand by after 10 mn without test)

Sizes : 35x29x11cm (13.8 x 11.4 x 4.3 in)

Weight : 3.35kg (7.4lb), 3.7kg (8.0lb) with cables

Standards : IEC 1010, pol.2 ; IEC 61326-1

Environment : Protection IP30, Temp. 0/40 °C (32/104 °F), n-o -20/70 °C (-4/158 °F),

Rel hum. 80% up to 31 °C (88 °F), decreasing to 50% at 40 °C (104 °F), Altitude 5000m (16400 ft).

Included materials : Supply cable, spare fuses, 1m test cable with crocodile clips, operating manual.

Ordering informations : PULSOR 302A - 7 KV

(1) preliminary

For more information please contact : lemsys.servicesinfo@lemsys.com

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