

PD-693/695/697



The industrial series of multimeters have been designed in conformity with the strictest quality control requirements in order to comply with the most rigorous safety standards. Their construction in **ABS anti shock material** and an optional shock proof protector guarantees a high resistance to shocks and falls, in compliance with the MIL T28800 standards.

The electrical safety of all the measurement ranges is ensured by a 600 V fast fuse. For safety purposes, the 20 Amp range is protected by a 600 V high energy special ceramic fuse. They are equipped with fast **action diodes and PTC** protection for all the measurement ranges. A spark gap has also been included to absorb transients of up to 6 kV.

The PROMAX Industrial Series complies with the **IEC 348 and UL 1244 standards**. The IEC (International Electrotechnical Commission) is an international body composed by many inspection agencies. One of its tasks is to formulate uniform inspection requirements on electrical safety. Standard IEC determines the explicit safety requirements for electronic measurement instruments.

SPECIFICATIONS	PD-693	PD-695	PD-697
True RMS value	—	—	Yes
LCD indicator	3 1/2 digits	3 3/4 digits	4 1/2 digits
DC voltage	200 mV, 2 V, 20 V, 200 V, 1000 V	400 mV, 4 V, 40 V, 400 V, 1000 V	200 mV, 2 V, 20 V, 200 V, 1000 V
AC voltage	200 mV, 2 V, 20 V, 200 V, 750 V	400 mV, 4 V, 40 V, 400 V, 750 V	200 mV, 2 V, 20 V, 200 V, 750 V
DC current	200 µA, 2 mA, 20 mA, 200 mA, 20 A	40 mA, 400 mA, 20 A	200 µA, 2 mA, 20 mA, 200 mA, 20 A
AC current	20 mA, 200 mA, 20 A	40 mA, 400 mA, 20 A	200 µA, 2 mA, 20 mA, 200 mA, 20 A
Resistance (Ω)	200, 2 k, 20 k, 200 k, 2M, 20 M	400, 4 k, 40 k, 400 k, 4M, 40 M	200, 2 k, 20 k, 200 k, 2M, 20 M
Diode test	Yes	Yes	Yes
Continuity audible	—	—	—
Indication	Yes	Yes	Yes
Capacitance	2 nF, 20 nF, 200 nF, 2 µF, 20 µF	4 nF, 40 nF, 400 nF, 4 µF, 40 µF	—
Frequency	—	4 kHz, 40 kHz, 400 kHz, 4 MHz	2 kHz, 20 kHz, 200 kHz
h _{FE} transistors	Yes	Yes	—
Basic accuracy	± (0.5 % read. + 1 digit)	± (0.5 % read. + 1 digit)	± (0.05 % read. + 3 digits)
"Duty Cycle"	—	—	Yes
Logic levels	—	Yes	Yes
Peak Hold	—	Yes	—
Memory reading	—	—	Yes
Auto power of	—	Yes	Yes
IEC 348/UL 1244 standard.	Yes	Yes	Yes
Maximum voltage	1000 V DC / 750 V AC	1000 V DC / 750 V AC	1000 V DC / 750 V AC
Protection	Fuse for mA and A inputs	Fuse for mA and A inputs	Fuse for mA and A inputs
Holster ¹	Yes	Yes	Yes
Raining proof	—	—	Yes
Carrying case	Yes	Yes	Yes
Guarantee	1 year	1 year	1 year
Battery life	200 hours	300 hours	300 hours

¹ Optional