



solutions catalogue

SUPPLIER OF SOLUTIONS


THE BROADLINE DISTRIBUTOR OF ELECTRONIC COMPONENTS


2013
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BENNING founded in 1938/ Germany, focuses already for many decades on measuring equipment, industry power supplies and chargers. Already from 1948 are known their famous testers DUSPOL and DUTEST.


 *Společnost BENNING byla založena v roce 1938 v Německu. Zaměřuje se již po mnoho desetiletí na měřicí techniku, průmyslové napájení a nabíječky. Již od roku 1948 jsou známé testery DUSPOL a DUTEST.*

 *Das Unternehmen BENNING wurde 1938 in Deutschland gegründet. Bereits seit mehreren Jahrzehnten spezialisiert es sich auf Messtechnik, Industrie-Stromversorgungen und Ladegeräte. Bereits seit 1948 sind die Prüfgeräte DUSPOL und DUTEST ein Begriff.*

 *A BENNING céget 1938-ban alapították Németországban. Már több évtizede a mérés-technikára, ipari tápfórásokra és töltőkre szakosodott. A DUSPOL és DUTEST teszterei már 1948 óta ismertek.*

 *Spółka BENNING powstała w roku 1938 w Niemczech. Od kilkadziesiąt lat zajmuje się techniką pomiarową, zasilaniem przemysłowym oraz ładowarkami. Już od 1948 roku znane są ich słynne testery DUSPOL i DUTEST.*

 *BENNING, fondată în 1938/ Germania, se axează deja de multe decenii pe echipamentele de măsurare, surse de alimentare și încărcătoare industriale. Încă din 1948 sunt cunoscute prin celebrele testere DUSPOL și DUTEST.*

 *Spoločnosť BENNING bola založená v roku 1938 v Nemecku. Zameriava už po mnoho desaťročí na meraciu techniku, priemyselné napájanie a nabíjačky. Už od roku 1948 sú známe testery DUSPOL a DUTEST.*

Today this product line of measuring equipment has grown into a large number of other test and measurement products like voltage and continuity testers, phase-sequence indicators, digital multimeters and clamp meters, device and installation testers, photovoltaic installation testers as well as many accessories.

Benning also has over 60 years of experience in power conversion and has a long-lasting reputation for providing highly reliable solutions including industry and telecom power supplies, charging systems for traction batteries and UPS systems.

In our portfolio of Benning products you can find measuring tools for professional use.

Why BENNING?

- wide range of professional measuring equipment
- reliable and well-proven devices

Multimeters

BENNING MM1



CAT III 600V

BENNING MM2



	BENNING MM1	BENNING MM2
Indicating Range	3.200	2.000
Accuracy	0,5 %	0,5 %
AC Voltage	1 mV - 600 V	1 mV - 750 V
DC Voltage	0,1 mV - 600 V	0,1 mV - 1000 V
AC Current	-	0,1 uA - 20 A
DC Current	0,1 uA - 3,2 mA	0,1 uA - 20 A
Resistance	0,1 Ω - 32 M Ω	0,1 Ω - 20 M Ω
Continuity	yes	yes
HOLD	yes	no

BENNING MM3



CAT III 300V

BENNING MM4



	BENNING MM3	BENNING MM4
Indicating Range	2.000	4.200
Accuracy	0,5 %	0,5 %
AC Voltage	1 mV - 600 V	1 mV - 600 V
DC Voltage	1 mV - 600 V	1 mV - 600 V
AC Current	0,1 uA - 20 A	0,1 A - 300 A
DC Current	0,1 uA - 20 A	-
Resistance	0,1 Ω - 20 M Ω	0,1 Ω - 42 M Ω
Continuity	yes	yes
Frequency	1 Hz - 200 kHz	-
Capacitance	1 pF - 200 uF	-
HOLD	no	yes

BENNING MM1-1



CAT IV 600V

BENNING MM1-2



	BENNING MM1-1	BENNING MM1-2
Indicating Range	2.000	2.000
Accuracy	0,5 %	0,5 %
AC Voltage	0,1 mV - 750 V	0,1 mV - 750 V
DC Voltage	0,1 mV - 1.000 V	0,1 mV - 1.000 V
AC Current	-	1 mA - 10 A
DC Current	-	1 mA - 10 A
Resistance	0,1 Ω - 20 MΩ	0,1 Ω - 20 MΩ
Continuity	yes	yes
Frequency	-	1 Hz - 20 MHz
Capacitance	-	1 pF - 2 mF
Integrated Volt Sensor	yes	yes
HOLD	yes	yes/MAX/MIN

Clamp Multimeters

BENNING CM6

BENNING CM7

BENNING CM8

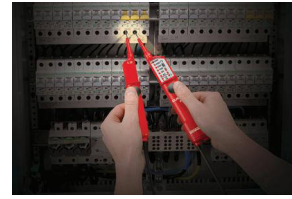


IEC/EN 61243-3
(DIN VDE 0682-401)

Function	BENNING CM6	BENNING CM7	BENNING CM8
Indicating Range	4000	4000	6000
Accuracy	0,7%	0,7%	0,7%
Voltage AC	0,1 V - 750 V	0,1 V - 750 V	10 mV - 1000 V
Voltage DC	0,1 V - 1000 V	0,1 V - 1000 V	10 mV - 1000 V
Current AC	0,1 A - 1000 A	0,1 A - 1000 A	0,1 A - 600 A
Current DC	-	0,1 A - 1000 A	0,1 A - 600 A
Resistance	0,1 Ω - 400 Ω	0,1 Ω - 400 Ω	0,1 Ω - 20 kΩ
Continuity Test	yes	yes	yes
Frequency	1 Hz - 400 Hz	1 Hz - 400 Hz	0,1 Hz - 400 Hz
Effective Power	-	-	1W-600kW
Temperature	-	-	- 50°C + 1000°C
HOLD	yes/MIN/MAX	yes/MIN/MAX	yes/MIN/MAX
	PEAK	PEAK	PEAK, INRUSH
TRUE RMS	no	yes	yes
Max. Clamp Opening	53 mm	53 mm	40 mm
Measurement Category	CAT IV 600 V	CAT IV 600 V	CAT III 600 V

Voltage Testers

Duspol Expert



Duspol Digital LC



IEC/EN 61243-3
(DIN VDE 0682-401)

CAT IV 500V

Function	DUSPOL EXPERT	DUSPOL DIGITAL LC
Indication	LED	LED+LCD
Range	12 - 690 V	6-750V
Continuity Test	buzzer + LED	buzzer + LED
Phase-Sequence Test	yes	yes / LCD
Single-Pole Phase Test	yes	yes / LCD
Polarity Test	yes	yes / LCD
Load connection via push buttons	yes Is = 200 mA	yes Is = 200 mA
Vibrating Alarm	yes	yes
Measuring Point Illumination	yes / LED	yes / LED
Protection Class	IP 64	IP 64

Special Measuring Equipment

BENNING IT101

Insulation and Resistance Measuring Device

- measurement of insulating resistance and calculation of the resulting leakage current
- testing voltages of 50 V, 100 V, 250 V, 500 V and 1000 V
- selectable limiting values for ISO measurement
- resistance measurement with a testing current of 200 mA for testing protective conductor connections
- measurement of polarization index (PI) and dielectric absorption rate (DAR)



IEC/EN 61243-3
(DIN VDE 0682-401)

Function	BENNING IT101
Indicating range	4 000 LCD illuminated
Low-impedance resistance	0,01 Ω - 40 Ω
Insulation resistance	1 kΩ - 20 GΩ
Voltage AC/DC	0,1-600V , true RMS
Resistance	0,01 Ω - 40kΩ
Measurements according to DIN VDE 0100/ 0105	insulation (50 V, 100 V, 250 V, 500 V, 1000 V), low-impedance resistance (200 mA)
Measuring category	CAT IV 600 V

Many other types also available.



Full range of Benning Products on www.soselectronic.com/benning