

- Tan Delta
- Ultra light and compact design
- Easy handling
- Testing and diagnostics simultaneously
- Transfer of test results via Bluetooth
- Fully automatic reporting
- No complicated wiring

New Features

- Diagnostics at variable frequencies
- Also testing of very short cables > 500 pF

b2 High-Voltage
is a business division of
b2 electronic GmbH

Riedstraße 1
6833 Klaus
AUSTRIA

Tel. +43 (0)5523 57373
Fax + 43 (0)5523 57373-5

www.b2hv.at
info@b2hv.at



DHV1344 Rev00
ENGLISH

Subject to alternations –
errors excepted
Illustrations are not binding

TD90-MC

High Voltage Cable Diagnostic System

Tan Delta measurement is a proven, simple and reliable test method for evaluating the dielectric condition of cables and other electrical equipment such as transformers or rotating machines. "Water-tree" damaged cables can be easily and clearly identified.

The ease of use, low weight and the compact design is truly impressive. The HVA series (VLF test sets) serve as the ideal high voltage source for the TD90-MC.

The TD90-MC provides the testing and commissioning engineer with versatile high voltage tan delta measurement system suitable for testing XLPE, PE, EPR and PILC cables or other electrical equipment.

When carried out at fixed intervals TD testing can be the basis of a predictive maintenance program for your HV cables.

The diagnostic report of the analysing software "TD Control Center" provides a comprehensive and clear record of the individual measurements made during a TD test cycle.

An easy to interpret graphical display of the values offers a fast and accurate assessment of the dielectric condition of the cable.



Type	TD90-MC	
Article number	SH0241	
Input Voltage	2 type „C“ alkaline cells or NiMH batteries	
Operating Voltage	Sinusoidal	1 – 64 kV rms
	Frequency	0.1 Hz 0.01 to 0.09 Hz ¹
Voltage measurement	Resolution	0.1 kV rms
	Accuracy	1 % of reading
Current measurement	Resolution	1 µA rms
	Accuracy	1 % of reading
Tan Delta measurement	Resolution	1 x 10 ⁻⁵
	Accuracy	± 1 x 10 ⁻⁴
Load range	Standard	500 pF to 10 µF
Weight	16 kg	
Dimensions	L 300 x H 790 x W 280 mm	
Computer includes	Bluetooth	
Delivery includes	transport case, Bluetooth™ Dongle, Earth cable, TD Control Center Software, Operating manual, Dell Netbook	
Standards	EMV: IEC6100-4-2, IEC6100-4-4, EN55077; Safety: EN60950, EN50191, EN61010-1	
Environmental conditions	Storage: -25°C to +70°C, Operating: -5°C to +45°C Humidity: max. 80% R.H. (non-condensing)	

¹ Calibration certificate for variable frequencies optional