

PET 4000 ESD Calibration Set

Datasheet



HAEFELY

Current and voltage – our passion

General Description

ESD generators are calibrated according to the standard IEC/EN 61000-4-2 Ed 2.0. This new Calibration Set allows the user to take measurements conforming to the new 4GHz requirement in accordance with IEC 61000-4-2 Ed. 2.0.

Measurement of individual impulse parameters is performed using a special coaxial current shunt. This has a nominal impedance of 2 Ohms. Because ESD events can be generated as high as 120A, attenuators are required to reduce the impulse-voltage level so it can be displayed on commercial oscilloscopes.

An oscilloscope with minimum 2GHz bandwidth is required to properly display the ESD impulse.

The Calibration Set has been developed as a tidy unit with the cable, attenuator and measuring target required to perform IEC/EN 61000-4-2 calibrations.

The ESD Calibration Set is complete with instructions and application sheet.

Features	Advantages
<ul style="list-style-type: none">Compliance to IEC 61000-4-2 Ed. 2.0	<input checked="" type="checkbox"/> Standardized
<ul style="list-style-type: none">4 GHz bandwidth	<input checked="" type="checkbox"/> Superior performance – The wide bandwidth provides a superior performance
<ul style="list-style-type: none">Up to 30 kV / 120 A ESD-impulse	

Applications

- Calibration of ESD generators ONYX 16 and ONYX 30

Scope of Supply

- ESD target 2 Ohm / 4 GHz
- One 30 dB / 18 GHz attenuator
- Coaxial cable 1 meter
- User manual & test certificate

Technical Data

Device	
Bandwidth	4 GHz
Input Resistance	2 Ohm
Coaxial cable length	1 m
Max. pulse amplitude	30 kV / 120 A
Output voltage into	0.2 V/A
50 Ohm load (DSO input)	0.2 V/A

Mechanical	
Dimensions (W x D)	70 x 30 mm (2.76 x 0.12) approx.
Weight	0.5 kg (1.1 lbs) approx.

Global Presence

Europe

HAEFELY AG
Birsstrasse 300
4052 Basel
Switzerland

☎ + 41 61 373 4111
✉ sales@haefely.com

China

HAEFELY AG Representative Office
8-1-602, Fortune Street, No. 67
Chaoyang Road, Beijing 100025
China

☎ + 86 10 8578 8099
✉ sales@haefely.com.cn

This document has been drawn up with the utmost care. We cannot, however, guarantee that it is entirely complete, correct or up to date.
©Copyright HAEFELY/ Subject to change without notice

V2020.04



HAEFELY

Current and voltage – our passion



HIGH VOLTAGE



INSTRUMENTS



EMC

precision.
swiss made.