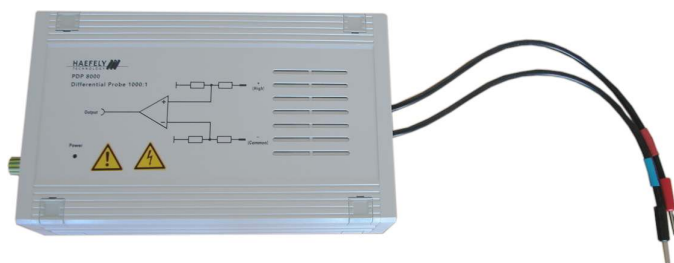


PDP 8000

Differential Impulse Measurement Probe

■ The accurate measurement of Surge pulses for equipment **calibration** purposes requires that a Surge generator output be measured in both **Differential** and **Common modes**. Common mode measurements are relatively straightforward as the measurement is of a single output referenced to earth potential. Differential measurements however require that both the high and common of a Surge generator output are measured. This requires use of two high voltage probes and a dual channel oscilloscope capable of arithmetic functions. High voltage probes are notoriously sensitive to measurement position (vertical, horizontal), proximity of metal sheets, etc. In addition annual calibration of high voltage probes is NOT sufficient to ensure an accurate IMPULSE measurement can be made. So before each measurement, the probe(s) must be adjusted to the test equipment and measurement position. This is time consuming and requires additional test equipment or know-how not always readily available. To reduce the difficulties of Differential measurements from Surge generators, Haefely have developed an active probe specially for IMPULSE measurements on floating outputs.



■ Technical Specifications

Divider Ratio	1000 : 1
CMRR	≥ 46dB
Common Mode Input Impedance	30 k ohm
Differential Mode Input Impedance	60 k ohm
Max. Impulse Voltage	8000 V
Weight	1.0 kg

Min. Impulse front time	450 ns
Max. Impulse decay time	11 ms
Input connections	4mm "banana" plugs
Output connections	50 ohm BNC connector
Maximum AC/DC Voltage	690 Vdifferential/400Vcommon mode
Dimensions (W x H x D)	260 x 160 x 62mm

■ Ordering Information

PDP 8000 Art. No. 249991

Headquarters
Haefely Test AG
 Lehenmattstrasse 353
 CH-4052, Basel
 Switzerland

☎ + 41 61 373 41 11
 ☎ + 41 61 373 45 99
 ✉ EMC-sales@haefely.com

Locate your local
 sales representative at
www.haefelyEMC.com



HAEFELY EMC
 TECHNOLOGY

North American Office
Hipotronics Inc.
Haefely EMC Division
 1650 Route 22
 Brewster, NY 10509

☎ ++1 845 279 3644 x264
 ☎ ++1 845 279 2467
 ✉ EMCsales@hubbell-haefely.com

■ Features

- ☑ Divider Ratio **1000:1**
- ☑ Impulse measurement to **8kV**
- ☑ Impulse duration measurement to **20ms**
- ☑ Impulse rise time measurement from **400ns**
- ☑ Single **BNC output** matches all oscilloscopes
- ☑ Separate power supply
- ☑ AC/DC measurement

■ Benefits

- ☑ Can be used with any standard oscilloscope
- ☑ Qualified for use with all EMC IMPULSE generators
- ☑ Simple and Easy to install
- ☑ Reduces calibration time
- ☑ Reduces calibration errors
- ☑ Defined CMRR (Common Mode Rejection Ratio)

■ Application

Calibration of Surge impulse Generators