

# ECOUPLER 4

## Three-Phase Coupling / Decoupling Network for ECOMPACT 4

■ **The new ECOUPLER 4** combines the best of all worlds: **Performance, flexibility, economy** and the famous Haefely quality and reliability.

The ECOUPLER 4 is an **ultra-compact** coupling and decoupling network for burst and surge coupling onto three-phase power lines.

ECOUPLER 4 can be controlled manually from its front panel or automatically from the PC, using the EMV-Check software enclosed with the ECOMPACT 4.

The ECOUPLER 4 is very simple to use, and therefore even first time or infrequent users may operate the unit quickly and easily.

The ECOUPLER 4 conforms to the recent editions of the relevant IEC and EN basic standards for surge and burst testing.



### ■ Features

- ☑ **Two** different test impulses
- ☑ **Combination wave** 1.2/50us - 8/20us up to 4.2kV
- ☑ **Burst** 5/50ns up to 4.2kV

### ■ Benefits

**Multi-purpose** - Two basic immunity tests combined in a single economical package for maximum flexibility.

**Quick and Simple** - One touch operation and simple automation of test routines streamlines the test procedure.

**Test Reporting** - Included Windows software automatically documents test parameters and results.

### ■ Application

Full compliance and Pre-Compliance testing to a wide variety of transient immunity standards:

- ☑ IEC 61000-4-4 Edition 1 & Edition 2
- ☑ IEC 61000-4-5 Edition 1 & Edition 2

### ■ Technical Specifications

Control Power	100/115/230V 50/60Hz, 50VA
EUT Mains voltage	max. 440V rms phase to phase, 250V DC
EUT Current per phase	16A continuous 25A short time
Dimensions (W x H x D)	48 x 18 x 44 cm
Weight	approx. 27kg

Coupling Capacitors	5 x 33nF
Burst	
Coupling modes	Single path testing
Burst	Common mode testing
Coupling elements for Surge	18uF differential mode 9uF + 10 Ohm common mode
Coupling modes for Surge	all combinations as required by IEC 61000-4-5
Decoupling inductors	1.5mH

### ■ Ordering Information

ECOUPLER 4 Art. No. 249101

Including user manual and all cables required

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

☎ + 41 61 373 41 11  
 ☎ + 41 61 373 45 99  
 ✉ [EMC-sales@haefely.com](mailto:EMC-sales@haefely.com)

Locate your local sales representative at  
[www.haefelyEMC.com](http://www.haefelyEMC.com)



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](mailto:EMCsales@hubbell-haefely.com)