



The CHECKMASTER – All you need to test your arresters

TRABTECH surge protection **CHECKMASTER**

The arrester tester:
Convenient and reliable

The sturdy case in "Flightcase" design
guarantees safe transport and has space for your documents and other tools

4-line LC display
Handling during tests is simple and convenient with the self-explanatory menu-guided user interface of the CHECKMASTER.

The sturdy keyboard
is ideal for fast navigation in the menus. Just a quick glance, and the integrated signal lamps visualize the test result.

CHECKMASTER
tests and documents in compliance with IEC 62305-3.

Variable test sockets
The CHECKMASTER is supplied as standard with the test socket for the PLUGTRAB PT arrester range. Other sockets can easily be added to the CHECKMASTER to suit the requirements. This modularity also provides a high degree of investment security.

Reliable connections
The sunken connection panel protects the interfaces against accidental damage. In addition to the connection for voltage supply and the mains switch, there is an interface for data transfer to the PC.

Convenient hand scanner
It couldn't be easier – the test object is identified by a barcode using the integrated hand scanner.

Range of accessories for the CHECKMASTER

PA-CASE
Order No. 2858988
Transport case to accommodate six TRABTECH test sockets CM-PA...

Further details on the selecting of the necessary test sockets can be found on the next page.

CM-KBL-RS232/USB
Order No. 2881078
Connection cable to connect the CHECKMASTER to the USB port of a PC

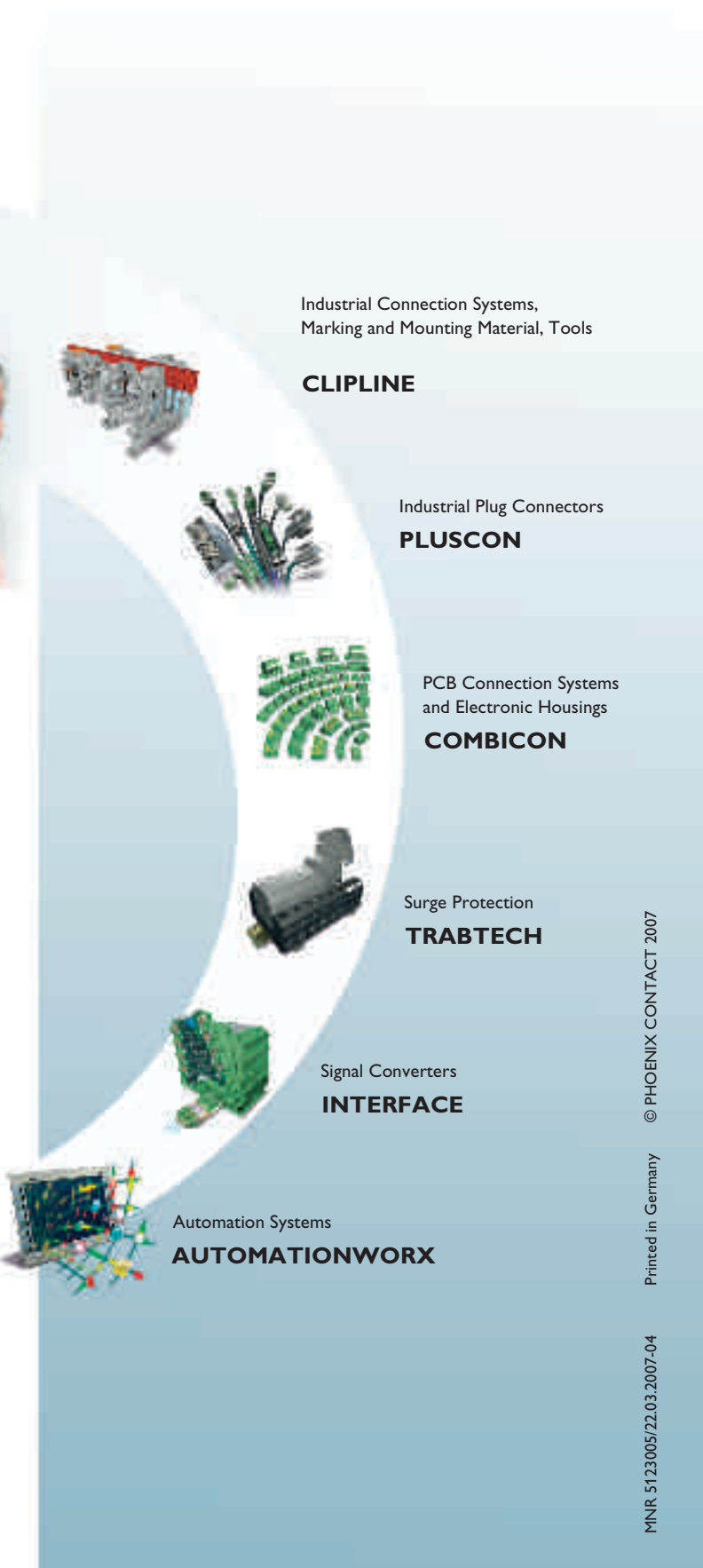
CM-KBL-PROG
Order No. 2881557
The firmware of the CHECKMASTER can be updated via a PC using this cable and the update tool. The latest version of the update tool can be downloaded free of charge from the Phoenix Contact website.

TRABTECH-PPB
Order No. 2783040
Sheet of inspection labels with 190 self-adhesive labels to identify tested protective equipment.

Further information on the products introduced here and on the world of solutions from Phoenix Contact can be found at www.catalog.phoenixcontact.com



Or contact us directly!



TRABTECH surge protection devices are tested from head to toe with the CHECKMASTER

Lightning protection systems have to be tested following the requirements of IEC 62305-3 and regulations from the authorities. A visual inspection does not let you draw conclusions as to possible damage to the surge protection devices. Only an electrical test as performed by the CHECKMASTER provides meaningful results.

Lightning protection class	Visual inspection (interval)	Comprehensive check (interval)	Comprehensive check of critical systems (interval)
I and II	every year	every 2 years	every year
III and IV	every 2 years	every 4 years	every year

The IEC 62305-3 describes the repeated inspection of lightning protection systems and thus also of surge protection devices.

Lightning protection systems for potentially explosive plants should undergo a visual inspection every six months. The electrical test of the installation should be performed once a year.



The CHECKMASTER fulfills your requirements
Whether it's a power station, traffic technology, process engineering or the water and waste water sector – The CHECKMASTER helps you maintain permanent availability.

The benefits at a glance:

- Convenient, safe and speedy test.
- The innovative "Tolerance limit reached" test status avoids unnecessary service work.
- Automatic protocol function for the test results.
- The internal memory makes it possible to process the test results on a PC later.
- The Update function keeps the CHECKMASTER in key with the latest developments in test engineering.
- High investment security thanks to variable test sockets.
- An increase in system availability thanks to preventive check ups.
- Compliant testing in acc. with IEC 62305-3.
- High quality and safety standard.

CHECKMASTER
Order No.: 2838924



Be the first to know what's up – Have a check up

The intelligent CHECKMASTER arrester testers and the pluggable surge protection devices from TRABTECH allow you to carry out a unique check up.

With just one test cycle per arrester, the CHECKMASTER can obtain the standard states of "Test object OK" and "Test object faulty" and the additional status of "Tolerance limit achieved". The current electrical parameters of the components are hereby measured and compared with reference values. Heavily worn arresters are identified as damaged and replacement recommended. This is an effective way of avoiding unexpected failures and saving yourself unnecessary service work.

The CHECKMASTER with its tolerance value measurement defines a completely new dimension and quality in the testing of lightning protection systems. You know in good time what's up and can take action before the system fails.

Convenient and reliable testing of pluggable arresters in just four steps!

1 Easy selection

The CHECKMASTER is modular in design. Take your surge protection devices to decide which test socket* you need.

FLASHTRAB compact, VALVETRAB compact



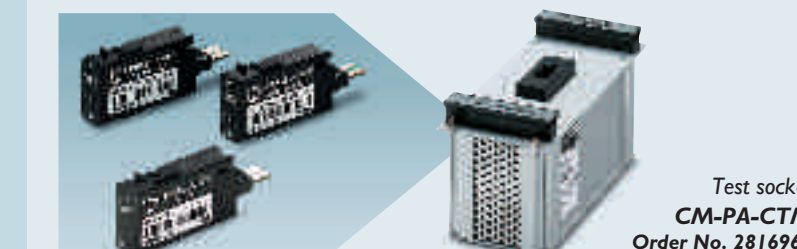
PLUGTRAB PT



VALVETRAB-MS



COMTRAB modular



2 Convenient scanning

The barcodes on all surge protection devices provide you with a fast and accurate option for entering the article. System-specific abbreviations or user-defined IDs can be entered on the operator panel or also read in from individually generated barcode labels.



3 Safe testing

After the test has been started, there is an automatic test process which tests the specific electrical characteristics of the arresters. The three different results are visualized both on the display and via two signal lamps.



It's the inner values that are important!

The CHECKMASTER checks all the relevant components of an arrester by means of an electrical testing method. All protective elements in the arrester, e.g. spark gaps, gas-filled surge arresters, varistors and suppressor diodes are thus tested in just one test cycle to provide a meaningful result.

4 Fast logging

IEC 62305-3 requires the test to be documented. Thanks to its internal memory, the CHECKMASTER allows you to process the test values either immediately or at a later date. The data is transferred to the PC via the V24/RS232 interface.

