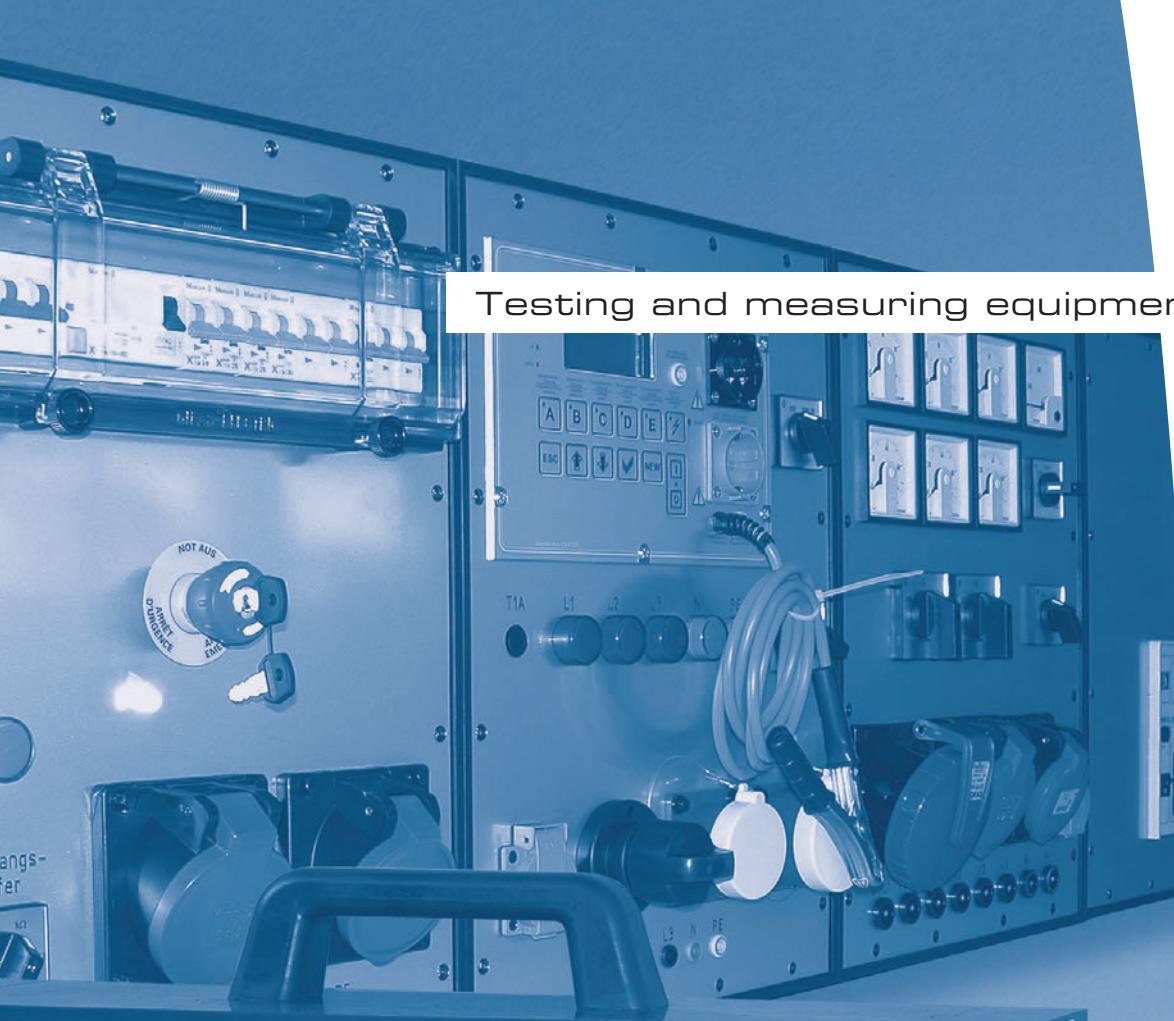
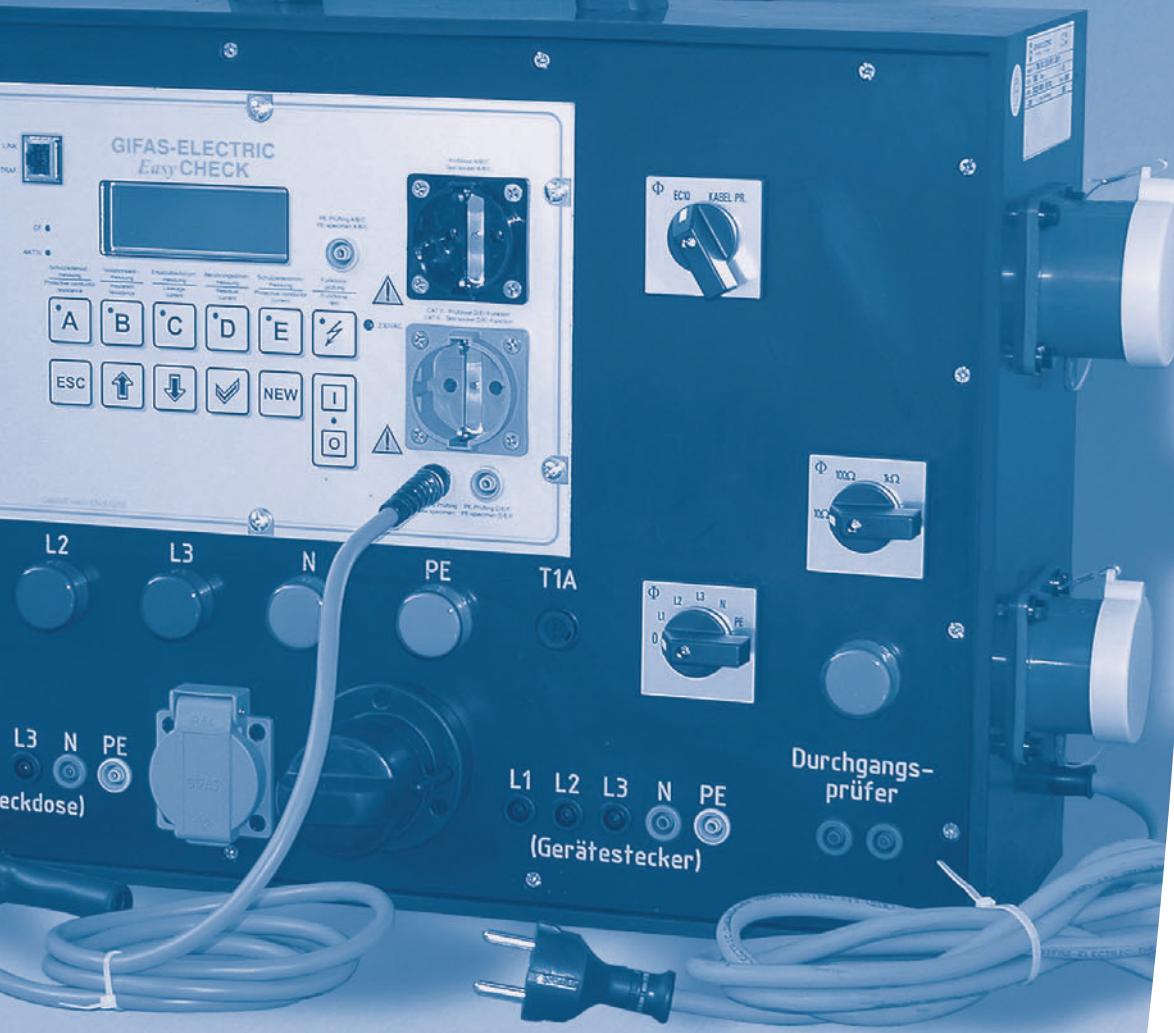
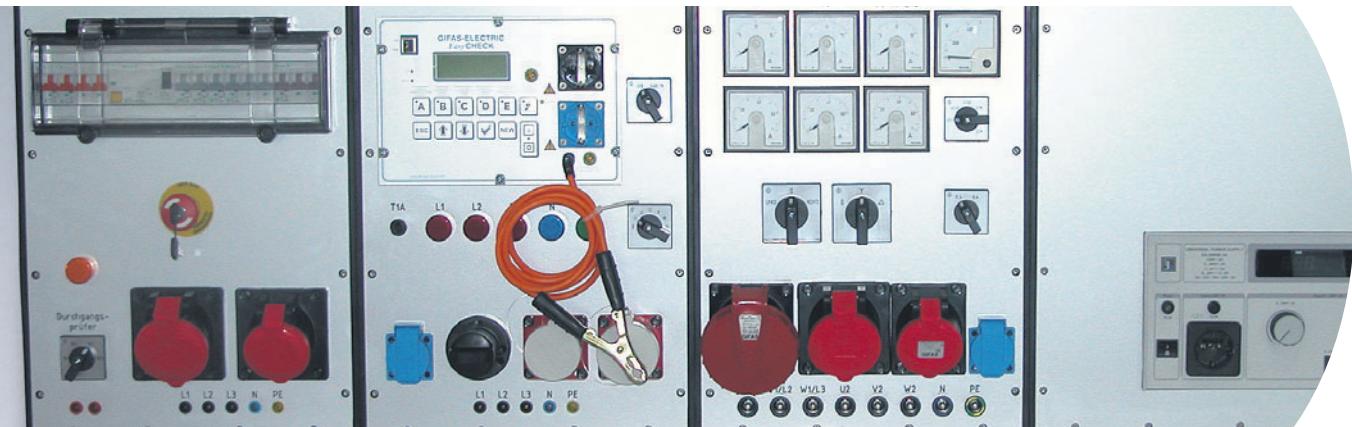


- Test panels
- Stationary test equipment
- Mobile test equipment

In accordance with:
ÖVE/ÖNORM E 8701-1
ÖVE/ÖNORM E 8701-2-2
DIN VDE 0701
DIN VDE 0702

Testing and measuring equipment





By introducing the **EasyCHECK** GIFAS-ELECTRIC GmbH reacted to the modification of standards (testing after maintenance and alterations as well as repeated testing of electric appliances ÖVE/ÖNORM E 8701-1, ÖVE/ÖNORM E 8701-2-2 and DIN VDE 0701; DIN VDE 0702).

The **EasyCHECK** replaces the before used MT 10/25 and supplements the existing possibilities. The changes in standards required the development of a new product to meet the needs of the market.

The **EasyCHECK** was tested according to the standard EN 61010-1 by the TÜV-Saarland.

In Austria, Germany and other European countries it is statutory that electrical appliances are checked periodically.

The introduction of **EasyCHECK** considerably increased the advantage for the client due to easy operability and the wide range of use.

Master File Management:

The main information, such as type, series number, inventory number, manufacturer, electrical data, kind of measuring method, test results, etc. can be acquired and evaluated.

Clients/company structures/departments:

Appliance management for different locations provides the optimum transparency. (Divisions, subsidiaries, different companies, etc.) The appliances are assigned to the respective client and can therefore be properly identified.

Test Lists:

Test lists can be generated according to individual criteria. You can generate a test list based on test date, department, defined appliances, supplier etc.

Today safety is the most important topic in every enterprise. That is why national and international safety standards are laid down, with the objective to avoid accidents.

These safety regulations force producer, user and maintenance workshop to do a series of checks (initial check, periodical checks, checks after maintenance and repair) and demand exact documentation of the test results.

Appliance Management - WEB Software

In order to record and handle a large number of appliances to be tested, GIFAS developed the corresponding software to supplement the **EasyCHECK**. An Ethernet interface provides communication with the **EasyCHECK**. A web server to be operated via the web browser represents the main part of the software. Therefore no additional software must be installed on

the computer scheduled for operation. The test results are added to the master data according to a previously set up test list. Individual tests can be made at any time. Thus you can request and print any required list and data, e.g. the latest test results as per the latest status. You can take all measurements on the spot and transfer all data to the data base.

Testing and measuring equipment

EasyCHECK



Digital - programmable - pioneer

The microprocessor controlled electronic system allows the adjustment of each function to the valid regulations.

The measuring method, the indicating ranges as well as the limiting values are programmable and can be adjusted to guidelines and current regulations.

Basic functions:

- A) Earthing wire ohm measuring:
measuring range: 30 mΩ – 1.500 mΩ
measuring tolerance: at 200 mΩ – 1.100 mΩ +/- 10%
- B) Insulation ohm measuring:
measuring range: 0,20 MΩ – 10 MΩ
measuring tolerance: at 0,20 MΩ – 2 MΩ +/- 5%
- C) Equivalent leakage current test:
measuring range: 0,1 – 15 mA
measuring tolerance: at 0,5 mA – 15 mA +/- 5%
- D) Contact electricity measuring – direct method:
measuring range: 0,1 mA – 0,5 mA
measuring tolerance: at 0,1 mA – 0,5 mA +/- 5%
- E) Earthing wire power measuring – direct method:
measuring range: 2 mA – 10 mA
measuring tolerance: at 2 mA – 10 mA +/- 5%
- F) Function test:
measuring range at 230 VAC
measuring tolerance: at 60 – 3.700 VA +/- 15%

Basic Appliance:

consisting of:

- 1 Schukosocket (black) for test specimen measurement A, B, C
- 1 Schukosocket (blue) for test specimen measurement D, E, F

Interface: via Ethernet interface (RJ 45)

Outer dimensions: 260 x 180 x 100 mm (L x W x D)

Display: four-line display for operator guidance in four languages (German, English, French, Italian).

With this measuring unit you have many possibilities. Inform us about your measuring tasks and we design your test unit according to your needs.

Mobile testing and measuring equipment

EasyCHECK



Dimensions: 430 x 290 x 230 mm (L x W x D)

The measuring unit including all its extension modules is fitted into an Aluminium trunk box for mechanical protection. There are fitting pockets in the box cover to put in the accessories and the operation manual.

Preset limited values in accordance with:

ÖVE/ÖNORM E 8701-1
ÖVE/ÖNORM E 8701-2-2
DIN VDE 0701
DIN VDE 0702

GIFAS EasyCHECK Version	EDP-No.	Prod. ID-No.
Basic version in Alu-case	78304	PK.EC10
Basic version with additional built-in CEE-module 5 x 16A 400V and 5 safety laboratory sockets	78306	PK.EC10.CEE.16A
Basic version with additional built-in CEE-module 5 x 32A 400V and 5 safety laboratory sockets	78558	PK.EC10.CEE.32A
Basic version with additional built-in CEE-module 5 x 16A 400V, 5 x 32A 400V and 5 safety laboratory sockets	78943	PK.EC10.CEE.16A.32A

Accessories	EDP-No.	Prod.ID-No.
3 safety probe cords black (2 m) 1 safety probe cord blue (2 m) 1 safety probe cord green (2 m) 5 clamps black 100 stickers next testing date	79251	PK.PK2.P.7900.EC10.MESSZUBEHÖR.01

Mobile testing and measuring equipment

EasyCHECK



Dimensions: 580 x 470 x 230 mm (L x W x H)

For easy and fast testing of extension- and connecting cables as well as of electrical equipment as per
 ÖVE/ÖNORM E 8701-1
 ÖVE/ÖNORM E 8701-2-2
 DIN VDE 0701
 DIN VDE 0702



Dimensions: 500 x 360 x 173 mm (L x W x H)

Functions:

Test of cables:

- wiring continuity
- short circuit
- phase sequence

Continuity test:

- adjustable threshold value (up to 10W/100W/1kW/1MW)
- optic display with light indicator
- acoustic signal (buzzer)

A selective switch allows to use the test sockets either for the test of extension or for the test of appliances by **EasyCHECK**.

GIFAS EasyCHECK Version	Equipment in Aluminium box EDP-No.	Prod. ID-No.	Equipment in all-rubber box EDP-No.	Prod. ID-No.
Schuko socket and appliance plug 16A 230V CEE-socket and appliance plug 5 x 16A 400V 2 x 5 safety laboratory sockets	77828	PK2.EC10.KPR.1.1.D.M	77832	P.7900.EC10.KPR.1.1.D.M
Schuko socket and appliance plug 16A 230V CEE-socket and appliance plug 5 x 16A 400V CEE-socket and appliance plug 5 x 32A 400V 2 x 5 safety laboratory sockets	77711	PK2.EC10.KPR.31.1.D.M	76382	P.7900.EC10.KPR.31.1.D.M

Accessories	EDP-No.	Prod. ID-No.
3 safety probe cords black (2 m) 1 safety probe cord blue (2 m) 1 safety probe cord green (2 m) 5 clamps black 100 stickers next testing date	79251	PK.PK2.P.7900.EC10.MESSZUBEHÖR.01

Testing Adapter

Testing Adapter for easy testing of three-phase current devices with **EasyCHECK**

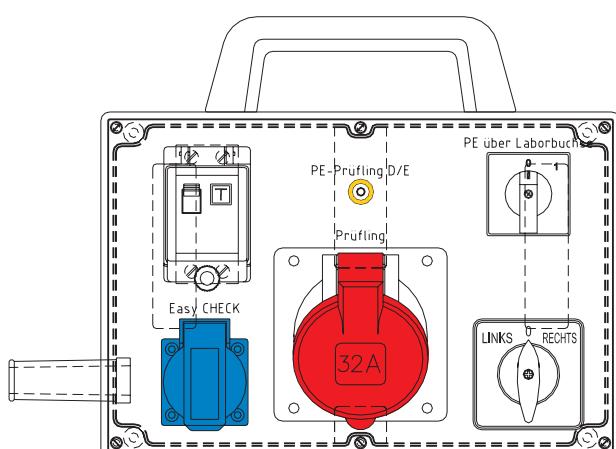
- functioning test
- contact electricity measuring
- earthing wire power measuring



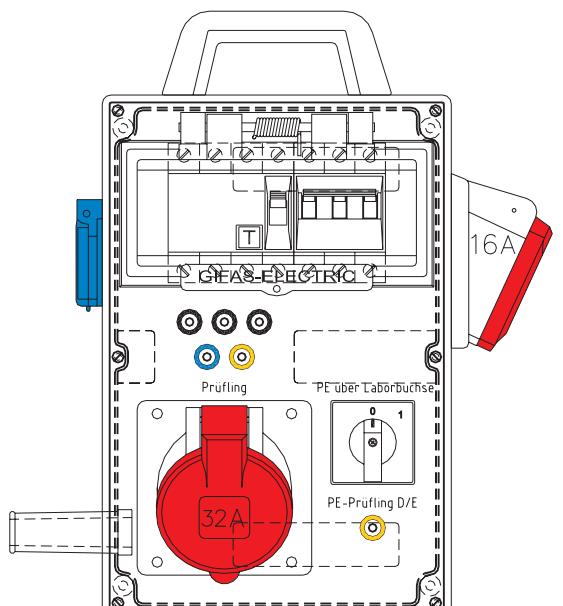
EDP-No.: 77922, devices up to 16A 400V



EDP-No.: 80815, devices with 16A, 32A, 63A or 125A 400V



EDP-No.: 79119, devices with 32A 400V



EDP-No.: 79592, devices with 16A or 32A 400 V

Design together with our engineers the optimum solution for your field of application.

Mobile testing and measuring equipment *EasyCHECK* with integrated testing adapter 400V



For easy and fast testing of extension cords and cords with non-rewireable plug as well as electrical equipments in accordance with

ÖVE/ÖNORM E 8701-1
ÖVE/ÖNORM D 8701-2-2
DIN VDE 0701
DIN VDE 0702

with sockets for Schuko, CEE 5x16A, CEE 5x32A.



Dimensions: 580 x 470 x 230 mm (L x W x D)

Functions:

Cable test for Schuko, CEE 5x16A, CEE 5x32A extension cords
 • wiring continuity
 • short circuit
 • phase sequence

A selective switch allows to use the test sockets either for the testing of extension cables or equipment by *EasyCHECK*.

* For details of the basic version of *EasyCHECK* (basic functions/tests) see page 7/1 of this catalogue.

Version	Tests*	EDP-No.	Prod. ID-No.
Testing equipment in Aluminium box Schuko socket and appliance plug 16A 230V CEE-socket and appliance plug 5x16A 400V CEE-socket and appliance plug 5x32A 400V 2 x 5 safety laboratory sockets 1 CEE-socket 5x16A 400V for test units 1 CEE-socket 5x32A 400V for test units	A, B, C A, B, C A, B, C A, B, C D, E D, E	85482	PK2.EC10.KPR.31.1.MOP.2CEE400V.M
Feeding 1 CEE-entry appliance plug 5x32A 1 Schuko reducer plug on 32A CEE-coupling with 5 poles			
Fusing 1 FI-safety switch 4 poles 40/0.03A therm 1 LS-switch 3 poles 16A, 1 LS-switch 1 pole 16A 1 LS-switch 1 pole 10A, 1 emergency push button			
Movable rack with telescopic handle	85667		ALUKOFFER.EC10.TYP2.TELESKOPGRIFF.M
Accessories	EDP-No.	Prod. ID-No.	
5 safety probe cords 2 m (3 black, 1 blue, 1 green) 5 clamps black 100 stickers next testing date	79251	PK.PK2.P.7900.EC.MESSZUBEHÖR.01	

Mobile testing and measuring equipment

Option - combined reader for RFID and Barcode



Combined reader for RFID and Barcode

Together with the appliance management WEB-software (starting with version 1.14) this equipment allows to read and assign Barcode or RFID-transponders to each appliance.

Thus, each appliance can be identified without doubt and the assigned measurements will be released.

Technical Data

Barcode:	1D Laser Class 1
RFID:	HF: 13,56 MHz
Interface:	RS232
Dimensions:	116x50x31mm
Weight:	80g
International protection:	IP54

Description

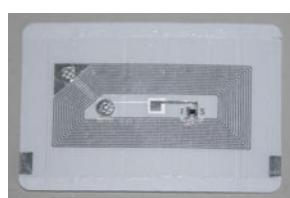
Combined reader RFID + Barcode

RFID-stickers – 16 x 36 mm plastic
with special glue, pre-coded incl. additional Barcode imprint
packaging unit: 50

RFID-stickers – 42 x 30 mm plastic
with special glue, pre-coded incl. additional Barcode imprint
packaging unit: 50



front side



rear side

Barcode-stickers – 51 x 25 mm plastic
packaging unit: 500



EDP-No. Prod.ID-No.

88880 EC10.READER.RFID.BC.RS232.EINBAUBUCHSE.M

87988 EC10.RFID.ETIKETT.18x36MM

87987 EC10.RFID.ETIKETT.42x30MM

87989 EC10.BARCODEETIKETT.51x25MM

Appliance management WEB-Software

Sample of test protocol

Check certificate				
Check of electrical units				
Basic principle for checks DIN VDE 0701 / 0702				
Client:	GIFAS ELECTRIC	Telephone number:	06225/71910	
Company:	GIFAS Electric	Fax number:	06225/7191-47	
	Pebering-Straß 2 5301 Eugendorf	E-Mail:	office@gifas.at	
Unit number:	1	Test cycle:	12 Missing	
Manufacturer:	GIFAS ELECTRIC	Voltage:	230 V	
Type, Description:	97610	Current:		
Serial no.:	25067	Power:	500 W	
Inventory no.:	1	Frequency:	50 Hz	
Unit type::	light 230V	:		
Departments:	machine division	:		
Measuring instrument:	EasyCHECK	Checked at:	10.05.2007	
Serial no.:	1522-141455 V.1.07	Next check at:	10.05.2008	
Next calibration:	07.05.2008	Printed at:	09.10.2007	
Checked by:	Maier Johann	Checklist / No.:	2 : 1 / 11	
Measurement	Measuring range	Measuring value	Limit value	Result
Protective conductor resistance	30 - 1500 mΩ	163 mΩ	600 mΩ	check
Insulation	0,22 - 10,00 MΩ	>10,00 MΩ	1,00 MΩ	check
Leakage current	0,10 - 15,00 mA	0,16 mA	3,5 mA	check
Functional test	23 - 3680 W	469 W		
	0,10 - 16,00 A	2,04 A		
Visual check:				Ok
Result:	Test sample has passed check			
Comment:				
Tester: (Place, date, signature, stamp)				

GIFAS-ELECTRIC								EasyCHECK		
Overview		Units		Search		Checklist		Setup		
Position: Units /								New unit Overview Details Uncheck		
Add	No.	Unit type	Type	Manufacturer	Serial no.	Inventory no.	Department	OK	Action	
[<input type="checkbox"/>]	1	light 230V	97610	GIFAS ELECTRIC	25067	1	machine division	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	2	light 230V	97610	GIFAS ELECTRIC	25149	23	machine division	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	3	extension cord 230V	extension cord 230V/16A 25m	GIFAS ELECTRIC	64919	V125	electrical division	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	4	extension cord 230V	extension cord 230V/16A 50m	GIFAS ELECTRIC	61766	V150	electrical division	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	5	extension cord 400V	CEE-extension cord 400V/125A 50m	GIFAS ELECTRIC	51393	V112550	engineering	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	6	cable reel 400V	Cable reel 400V/5x16A 25m	GIFAS ELECTRIC	71034	LR 400 35m CEE16	mechanical division	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	7	cable reel 230V	Cable reel 230V/16A 40m	GIFAS ELECTRIC	62011	LR 230 40m	store	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	8	light 230V	97610	GIFAS ELECTRIC	25149	24	machine division	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
[<input type="checkbox"/>]	9	disc sander	disc sander 750W	BO	W1750/230	698	metallworking	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Selected all Cancel selection Add selected units to checklist Print unit list										
Direct measurement, <input type="checkbox"/> Open, <input type="checkbox"/> Edit, <input type="checkbox"/> Delete, <input type="checkbox"/> Add to checklist										

GIFAS-ELECTRIC								EasyCHECK		
Overview		Units		Search		Checklist		Setup		
Departments								New unit group		
Unit groups		Name	Norm	A	B	C	D	E	f	Action
		cable reel 230V	EN 61242	100 mΩ	2,00 MΩ	0,5 mA	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		cable reel 400V	EN 61316	100 mΩ	2,00 MΩ	0,5 mA	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Elect. SK I	IEC 60990	300 mΩ	2,00 MΩ	3,5 mA	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Elect. SK II	IEC 60990	2,00 MΩ	0,5 mA	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
		extension cord 230V	EN 60309	300 mΩ	2,00 MΩ	0,6 mA	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		extension cord 400V	EN 60309	300 mΩ	2,00 MΩ	0,5 mA	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		extension cord schuko 230V	IEC 60994	300 mΩ	2,00 MΩ	0,5 mA	No	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		light SK I	EN 60590	500 mΩ	1,00 MΩ	3,5 mA	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		light SK II	EN 60996	500 mΩ	2,00 MΩ	0,6 mA	Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Edit, <input type="checkbox"/> Delete										

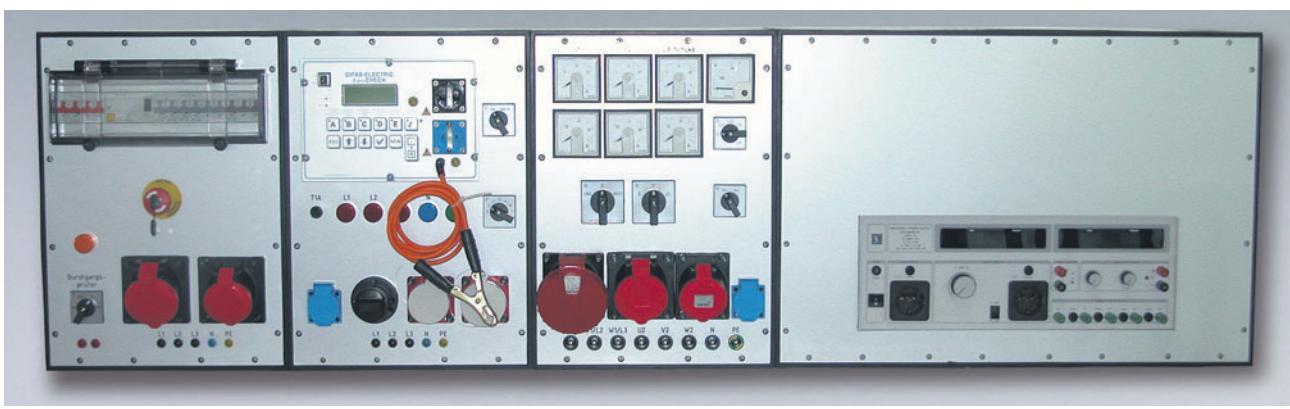


Testing and measuring equipment

Stationary and mobile function- and safety testing apparatus



EDP-No.: 78834



EDP-No.: 75102

Functions:

Test of motors and appliances:

- voltage measuring: 0 – 500V AC including selective switch
- current measuring with selective switch 15/25/60A
- reversing switch
- star-delta switch on laboratory socket
- test sockets and laboratory socket

Continuity test:

- optic and acoustic signal
- adjustable threshold values up to 10 Ω/100 Ω/1 kΩ/1 MΩ

Safety wiring:

- earth leakage circuit breaker with $1\Delta n = 30mA$
- emergency switch to be unlocked by key

Cable testing unit:

- testing of extension cables for continuity, short-circuit and phase sequence for plugs

EasyCHECK:

- portable unit including connection cable to cable test unit functions – see detailed description 7/1

A selective switch allows to use the test sockets for the test of extensions or the test of appliances by **EasyCHECK**.

Please contact our engineers to work out the optimum solution for your requirements.



EDP-No.: 78285