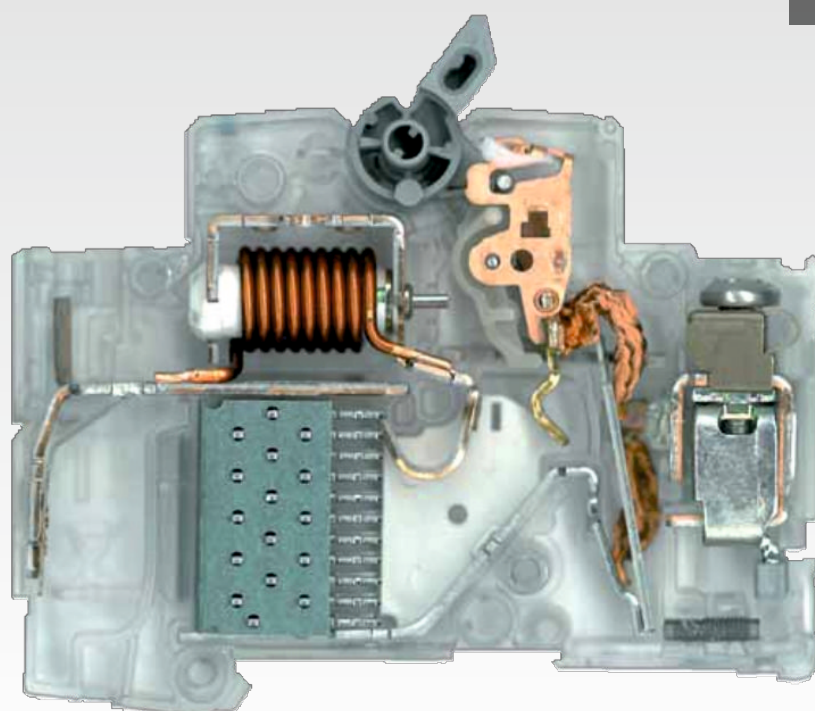




# Sicurezza Elettrica

Misure di protezione per la sicurezza elettrica

ETS DIDACTIC



## ELECTRICAL SAFETY

Protective Measures

Visita il nostro store

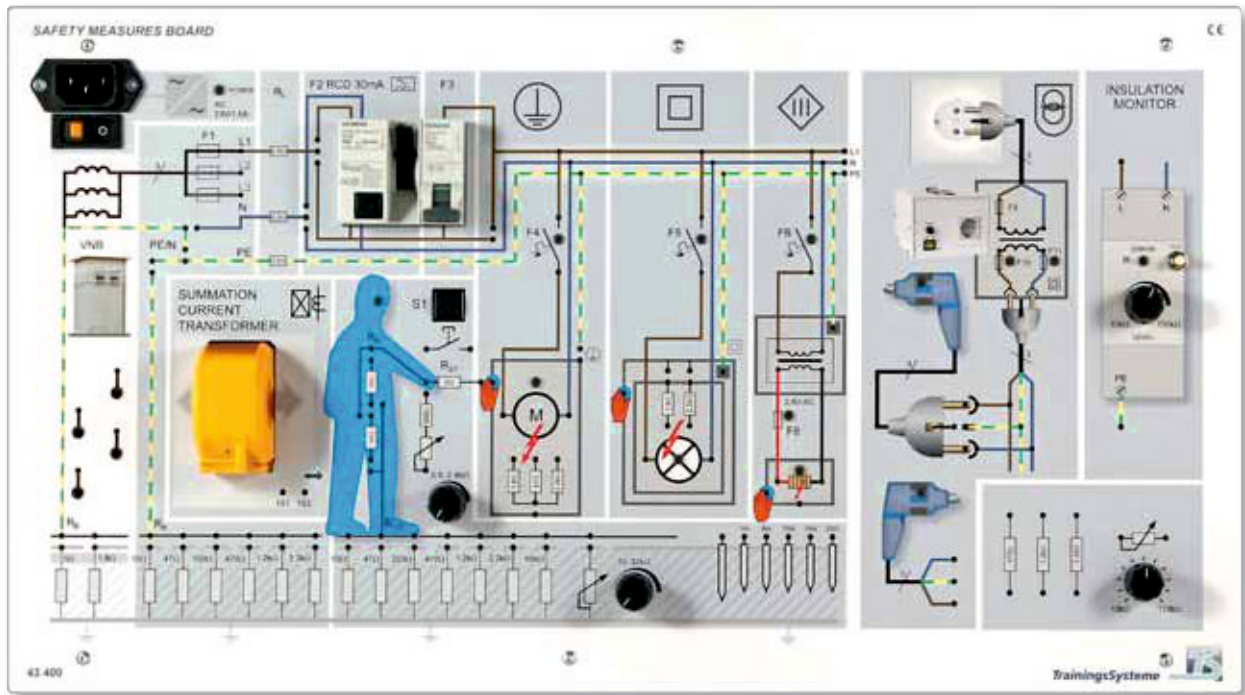


another way to care

[www.mydidactstore.it](http://www.mydidactstore.it)



# PROTECTIVE MEASURES



43 400 Safety Measures Board

## LEARNING OBJECTIVES

- ✓ Protective insulation
- ✓ Protective isolation
- ✓ Protection against direct and indirect contact
- ✓ Protection through safety extra-low voltage
- ✓ Residual current operated device
- ✓ Overcurrent protection device
- ✓ Summation current transformer
- ✓ Protective measures in the mains system types TN-, TT- and IT
- ✓ Determination of the heart current factor
- ✓ Earthing device
- ✓ Voltage gradient

*The Safety Measures Board is designed for experiments in the field of electric safety measures.*

*As a low-voltage device, it guarantees optimum safety for the user.*

*Provided with a SCHUKO plug, it can be operated in any room.*

*The Board allows experiments on all the topics listed above and reproducing the earthing systems TN-C, TN-C-S, TN-S TT and IT.*

## Technical data

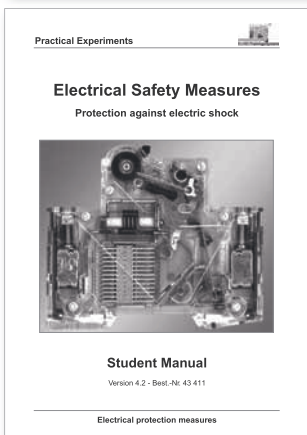
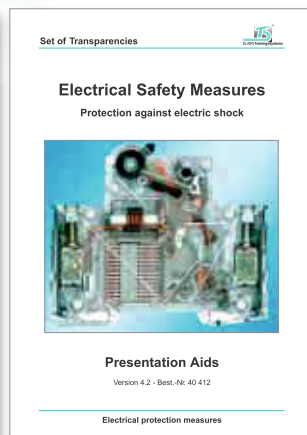
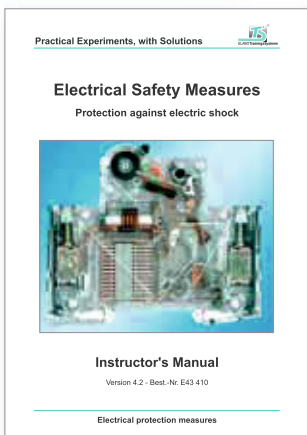
- Operating voltage 230 V / 50 – 60 Hz
- Experimenting voltage 23 V, 1.5 A
- $\frac{1}{10}$  of the mains voltage
- RCD 23 V / 30 mA
- Circuit breaker C0, 3 A
- Summation current transformer
- Simulation of a human
- Safety extra-low voltage
- Protective isolation
- Simulation of a voltage gradient

# Manual „Electrical Safety Measures“

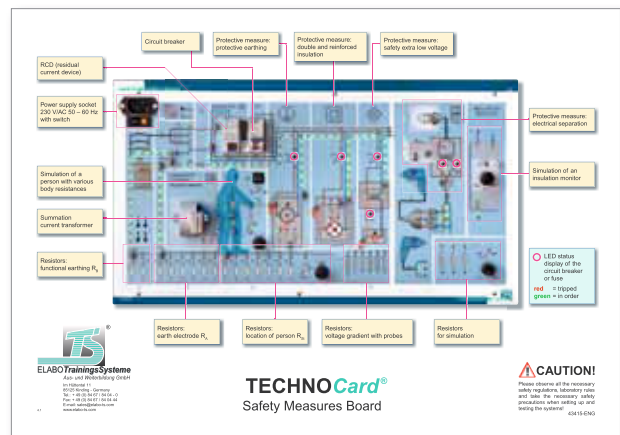


## Contents

- Fundamentals
- Network systems
- Protection against direct and indirect contact
- Fault current protective devices
- Fault current protective devices in networks
- Protective separation
- IT network
- Protection insulation
- Protective extra low-voltage and functional extra - low voltage
- Step voltage



E43 410 *Instructor's Manual*  
E43 411 *Student Manual*  
E40 412 *Set of Transparencies*



E43 415 TECHNOCard® Safety Measures Board

## BENEFITS

- ✓ Carrying out experiments safely by using low voltage 1:10
- ✓ No special measuring instruments required
- ✓ Depiction of the protection degrees



Commercial multimeters suffice for experiments

90 600 Multimeter



# YOUR ENQUIRY

## ETS DIDACTIC GMBH

Im Hüttental 11  
85125 Kinding / Germany

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Fax: +49 8467 8404-44

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Company / Institution / Government agency		
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ZIP Code, City, Country		
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by telephone

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Please send us an offer:

Order No.	Designation	Qty.
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<input type="checkbox"/> 43400	Protective Measures Board	
<input type="checkbox"/> 90101	Set of connections	
<b>Courseware</b>		
<input type="checkbox"/> 91903	Set of ETS ring binders with dividers	
<input type="checkbox"/> 43410CD-ENG	Instructor's Manual including CD-ROM, "Electrical Safety Measures"	
<input type="checkbox"/> 43411CD-ENG	Student Manual including CD-ROM, "Electrical Safety Measures"	
<input type="checkbox"/> 43412CD-ENG	Set of Transparencies including CD-ROM, „Electrical Safety Measures“	
<input type="checkbox"/> 43415-ENG	TECHNOCard® "Safety Measures Board"	
<b>Optional equipment</b>		
<input type="checkbox"/> 91801	Experiment Case	
<input type="checkbox"/> 90600	Digital Multimeter	



Safety Measures Board stored in Experiment Case

04/ 2017

Subject to technical changes and further development

Copy and fax

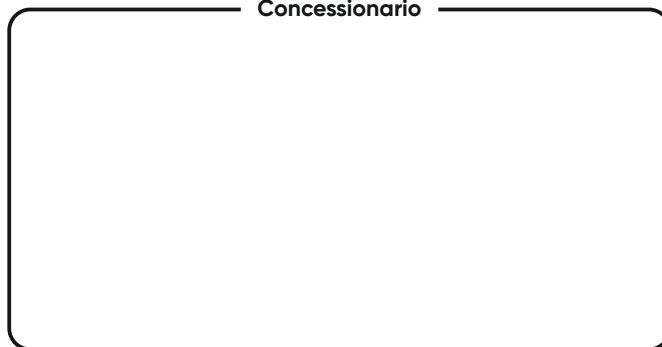


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