



S.A.EL.
www.saelsrl.com

**INSTRUMENTS
AND ELECTRONIC
EQUIPMENT
SINCE 1984**



SUMMARY

- The company
- Our strengths
- Research and development
- Products overview
- Production
- Test department
- Contact



THE COMPANY

S.A.EL. founded in 1984,
now is one of the most dynamic manufacturer
of electronic measuring equipments.

Design and production are carried out in Italy,
the production facility boasts the collaboration
of workers who have acquired over thirty years
experience in the field





OUR STRENGTHS



WIDE RANGE OF PRODUCTS

A wide selection of measuring and protection instruments, current and voltage transformers.



CUSTOMER SUPPORT

We are always ready to support our clients, with meticulous attention to every detail.



PRODUCT CUSTOMIZATION

We offer customized solutions to meet the specific needs of our clients.



FLEXIBILITY

Our services are customized to respond to each client's specific needs.

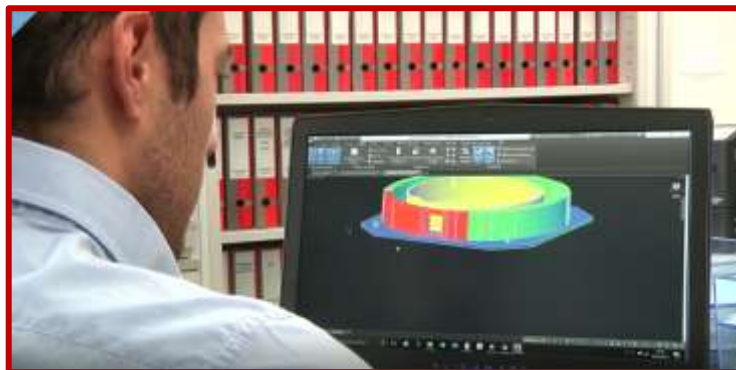


R&D

The complete and deep technical knowledge in the area of electrical measurement, energy management, automation and security guarantee to customers a competent collaboration in the design and implementation of instrumentation.

SAEL counts among its clients major industrial groups, Energy & Railway Companies, where it's able to develop, design and produce custom solutions to customer's request.

Attentive to the needs of the market, SAEL pursues as a constant target the improvement of service and quality.





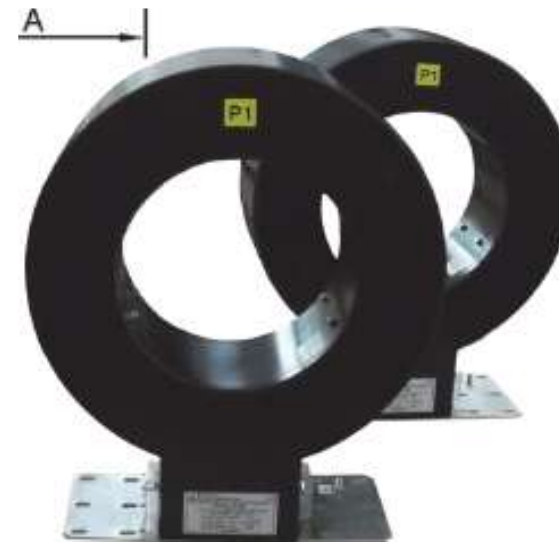
PRODUCTS OVERVIEW

RANGE FOR POWER PLANTS



MV insulated ring current transformers
for IPB and GCB

MV Toroidal current transformer





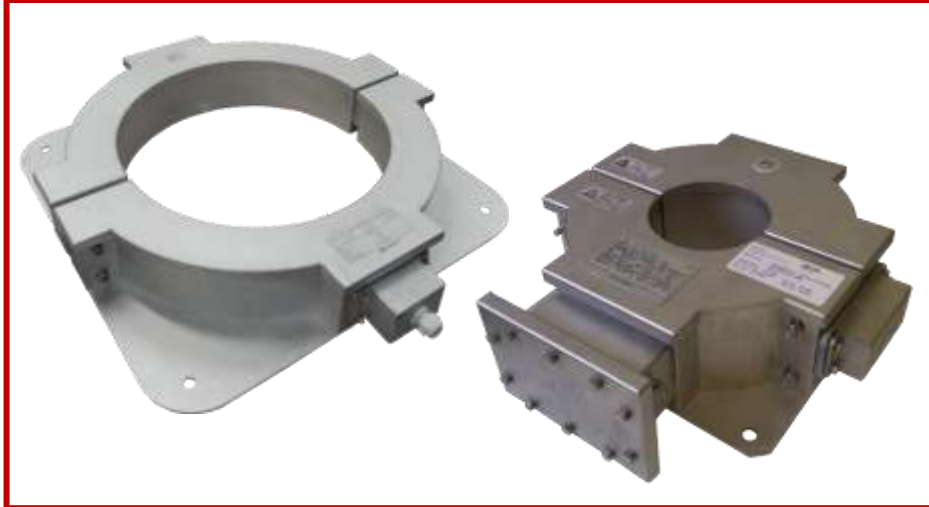
PRODUCTS OVERVIEW

RANGE FOR OUTDOOR SUBSTATIONS



Outdoor ring current transformers

Outdoor split-core current transformers





PRODUCTS OVERVIEW

RANGE FOR INDOOR SUBSTATIONS



Ring current transformer for bushings
and cables

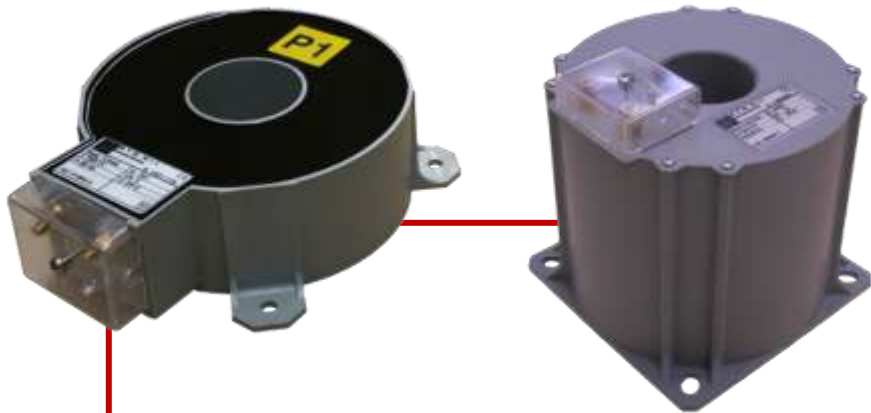
Split-core current transformers for bushings
and cables





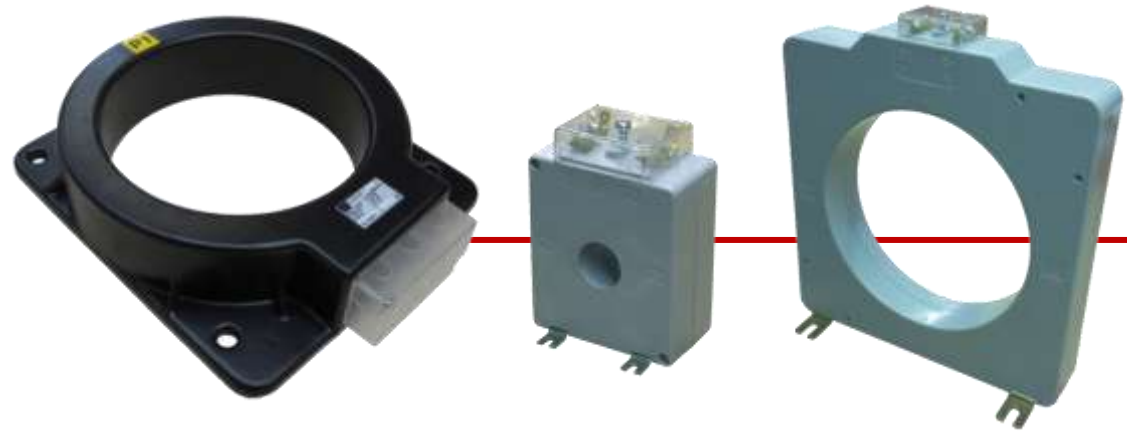
PRODUCTS OVERVIEW

RANGE FOR MEASURING AND PROTECTION
TRANSFORMERS FOR MV CABLES



Ring current transformers for single
MV cable

Ring current transformers
for earth fault protection



Rectangular current
transformers for MV cables



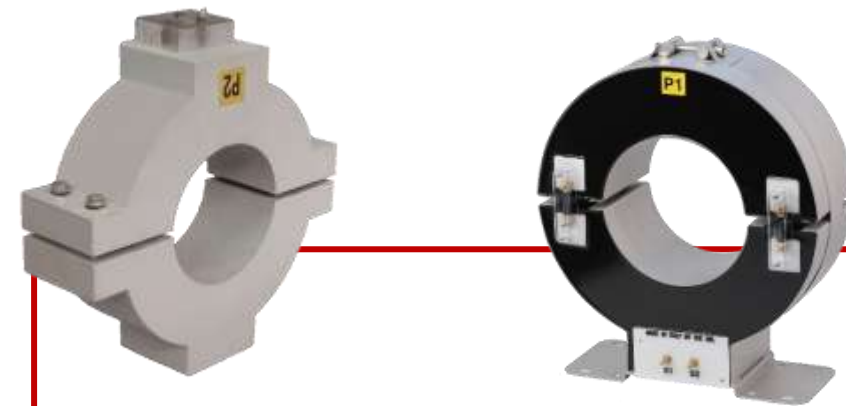
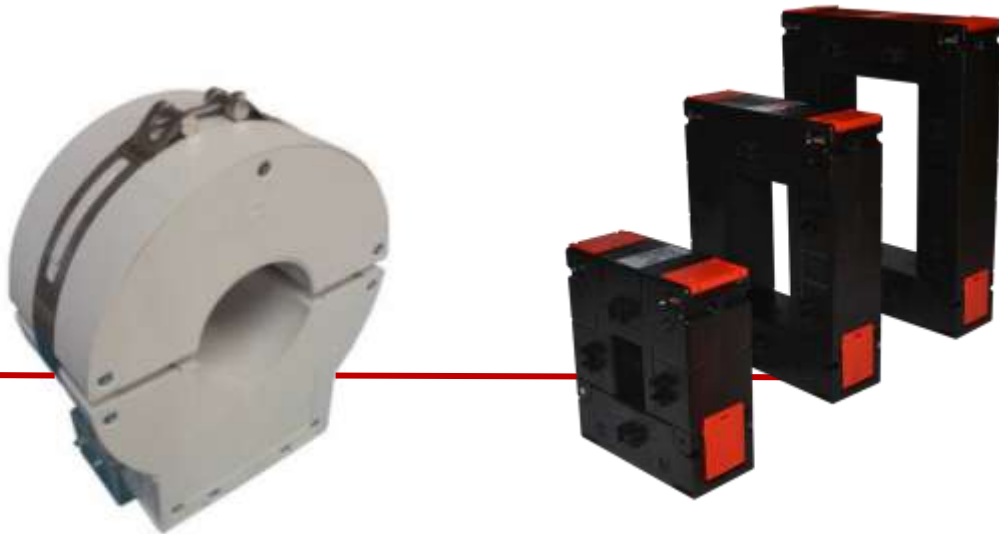
PRODUCTS OVERVIEW

RANGE FOR SPLIT- CORE CURRENT TRANSFORMERS

Rectangular split-core current transformers



LV Split-core current transformers



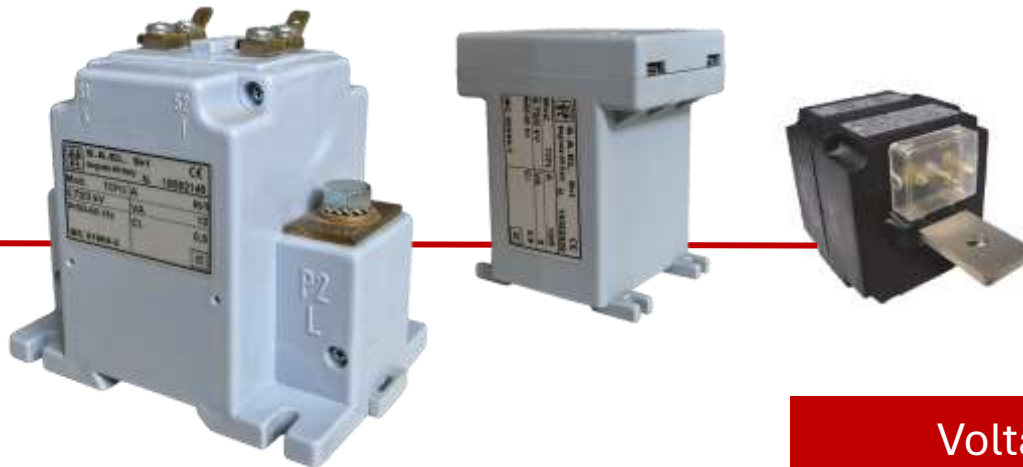
Split-core current transformers for earth fault protection



PRODUCTS OVERVIEW

RANGE FOR LOW VOLTAGE

Current transformers with primary winding



Current transformers for primary cable or busbar



Voltage transformers

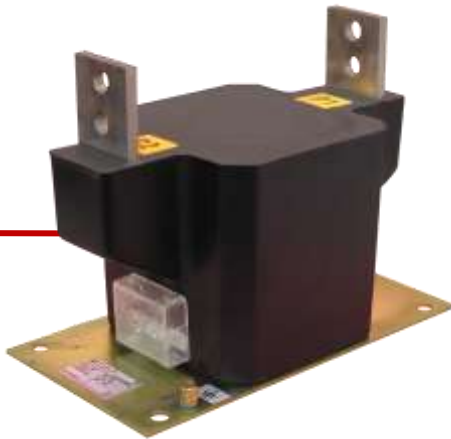




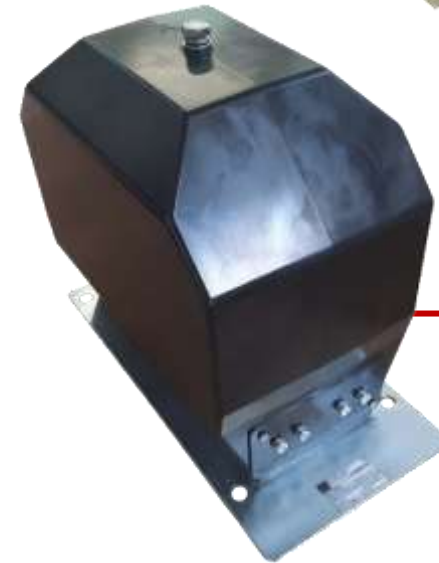
PRODUCTS OVERVIEW

RANGE FOR MV TRANSFORMERS

MV current transformers



Voltage transformers
Single or double pole





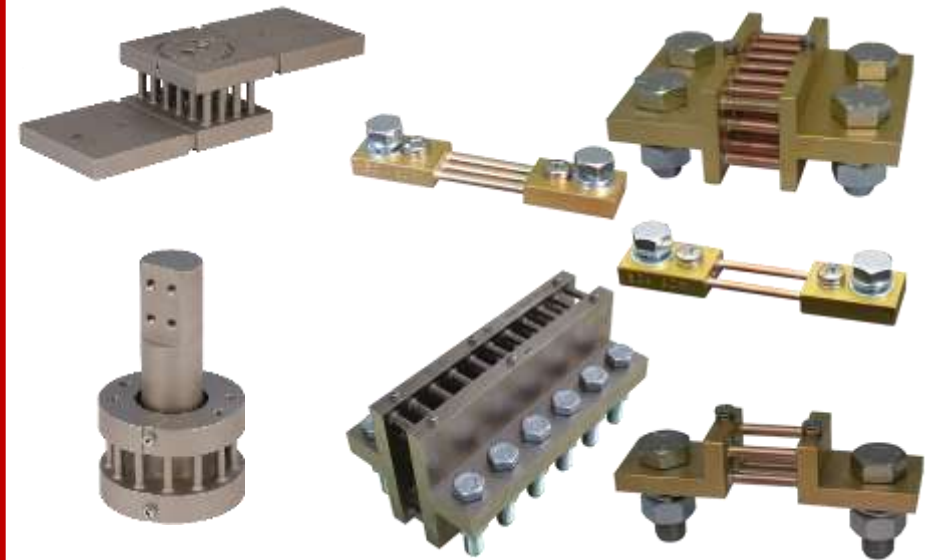
PRODUCTS OVERVIEW

RANGE FOR DC SHUNT AND VOLTAGE
DIVIDERS

Voltage dividers



DC Shunts (DIN 43703) Custom Shunts





PRODUCTS OVERVIEW

RANGE FOR RAILWAY
ON BOARD 25kV 50Hz or 15kV 16,7Hz

Current transformers



Combined current and voltage
transducers



Voltage transformers





PRODUCTS OVERVIEW

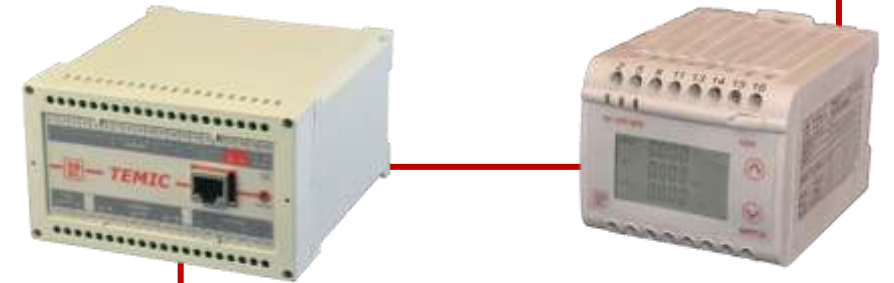
RANGE FOR ELECTRICAL MEASURING
TRANSDUCERS

Current and voltage transducers



Power and frequency
transducers

Programmable multi-transducers





PRODUCTS OVERVIEW

RANGE FOR PROGRAMMABLE MULTIMETER AND
POWER ANALYZERS

Programmable multimeter



Power quality analyser





PRODUCTS OVERVIEW

SWITCHBOARD INDICATOR INSTRUMENTS

Current and voltage selector switches



Terminal block

Switchboard indicator instruments





PRODUCTION

A qualified staff works efficiently in the assembly department, ensuring compliance with quality standards and delivery of the supply on time.

Winding department



Assembling departments





PRODUCTION



Casting department



Molds

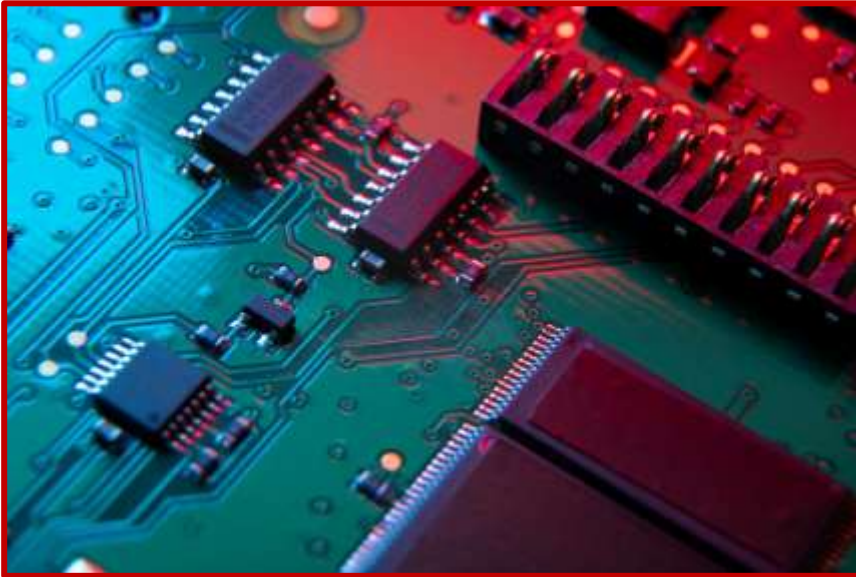


Ovens





PRODUCTION



Electronic department





TEST DEPARTMENT

100% of our products are tested before shipping.

A part of the testing activity is dedicated to the check of incoming materials.

All the instruments used for the tests are periodically calibrated by external certified laboratories.



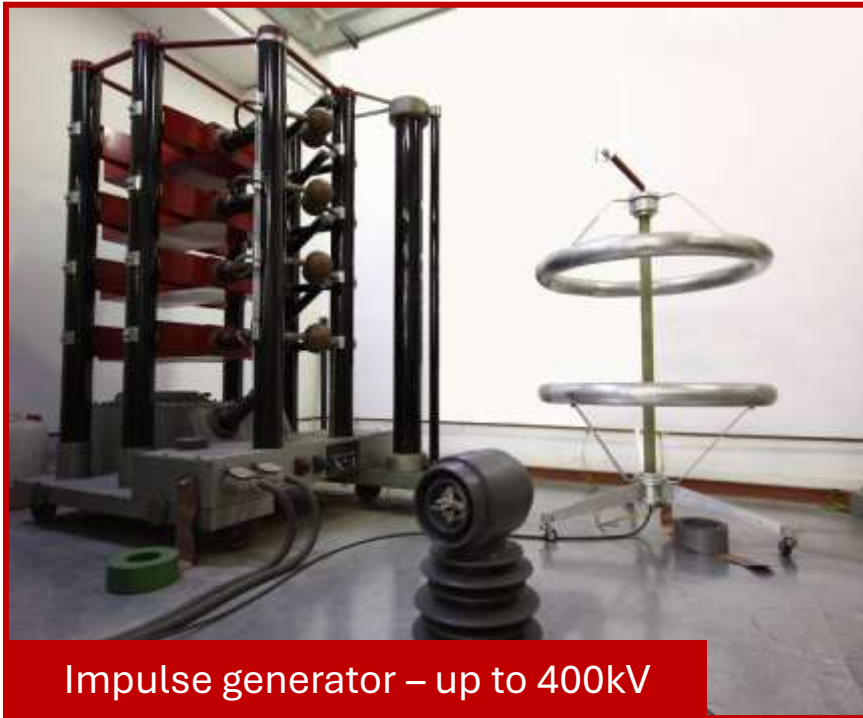
Automatic software to carry out and issue of test report





TEST DEPARTMENT

HIGH VOLTAGE ROOM



Impulse generator – up to 400kV



High voltage transformer – up to 150kV



TEST DEPARTMENT

TYPE TESTS

Inside the plant there are also the equipments for most of the type tests requested by regulations.

For any other test we cooperate with internationally known certified laboratories.



Automatic bridges for error measuring

Climatic chamber for the accelerated ageing test through automated duty cycles



Mechanical and vibration test in external laboratory



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