

Perform your final testing as accurately and as fast as possible



GRANLUND testing equipment, type KTE
For automatic measurement of three important parameters
High Voltage. nsulation. Resistance

Computer controlled for fast, accurate and simple measuring

GRANUND KTE Testing Equipment, is micro computer controlled and communicates interactively with the operator through a 32-digit LCD-screen and a number of push buttons.

Fast measuring

The equipment is extremely simple to use. All parameters are measured as soon as tubular element is connected. The total cycle time can be as little as one second.

Reliability

You no longer have to depend on the operator. The values are adjustable and programmable and the equipment decides if the results are in order or not. Stored parameters cannot be changed by unauthorised personnel.

The equipment is very easy and convenient for the operator to use.

Easy Trimming

The equipment is fully modular for easy trimming and service.

Stable

Thanks to the advanced internal calculation capacity, all measurements are related to references which ensures excellent long-term stability.

Long life

All switching of measuring signals takes place at zero voltage, which extends the life of the switching elements substantially. The AC- and DC-units are controllable: voltages are increased and decreased with a ramp.

Safe operation

Internal current limitations in the DC- and AC-units connected to the software current control ensure good control, limiting the outgoing current to 5mA.

In addition, hardware protection is provided in the form of the disconnection of the high voltage relays in the event of overcurrent or surges.

The equipment complies with the international IEC safety regulations corresponding to SEMCO class I. High voltage is disengaged if the measured element is out of place or resistance measures higher than 10 k ohm.

Option

A printer can be attached for continuous printing of individual test values such as:

Batch number, actual resistance, actual insulation value, leakage current and indication on faulty value. A universal testing jig can be supplied for the equipment. The equipment can also be used to control a machine for automatic testing of elements. The KTE is prepared for connection to an IBM- compatible PC.

Granlund Machinery

Visiting address: Kungsgatan 90 • P.O.Box 377, SE-631 05 Eskilstuna, Sweden
Tel:+46(0)16-16 72 00 • Fax:+46(0)16-16 72 72 • mail@granlund.se • www.granlund.se

12. TESTING KTE

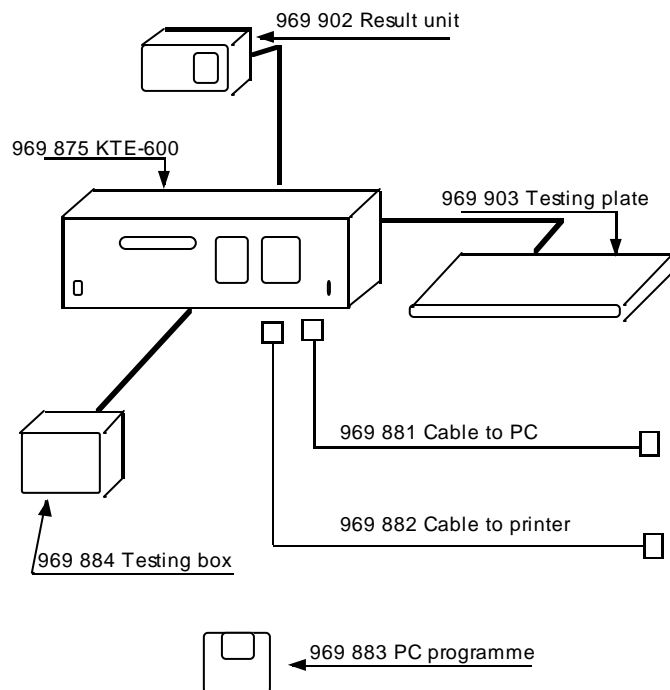
GRANLUND KTE-700 Testing Equipment

The KTE series 700 is a computer controlled testing unit for testing dielectric strength, insulation resistance and resistance of a tubular element. It has been developed with experience from previous series of KTE:s, and has improved reliability compared with the previous KTE-500.

The KTE is prepared for connection to a PC. Cable and PC programme is available (option). It can also be supplied with the testing plate, a universal testing fixture (option).

The figure below shows a system for testing of tubular elements. The numbers indicate the article number. The testing box is for testing the KTE itself.

(The result unit is only recommended for older types of KTE, where the results are not presented in full on the KTE itself.)



This information, which may be subject to change, is offered solely for your consideration, and should not be taken as a warranty or representation for which we assume any legal responsibility.

Sales Catalogue

KTE, cont.

- rapid and accurate measurements
- test results independent of operator
- prepared for connection to printer or computer

Technical data

Programming limits:

Dielectric strength	100 - 3000 V
Insulation resistance	< 10 000 MOhm
Resistance	0 - 10 000 Ohm
Testing time	0 - 600 seconds

NOTE: The KTE is, as all electronic equipment, sensitive to alterations in the supply mains. Therefore, we recommend to connect the KTE to a AC voltage stabilizer with an isolated secondary ground. (GRANLUND can supply the stabilizer or technical spec. on request.)

Required information when ordering

- frequency of voltage supply?
- is the universal testing jig required?

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