



INSTRUMENTS FOR DIELECTRIC STRENGTH TESTS

E Series

E2/A – ANALOGIC VERSION

Instrument for dielectric strength test with all adjustable parameters. Standard version with analogic instrument for immediate results evaluation. Several options for different applications.

TECHNICAL FEATURES:

together with the ones reported below:

- Test voltage only in AC
- Assembly on 4U rack



GENERAL FEATURES for E2/A and E3/A

- Adjustable test voltage, with continuity from 0 to 5.000 V.
- Settable threshold current, with continuity from 0,5 to 100 sec.
- Transformer power: minimum 500 VA
- Short-circuit current higher than 250 mA
- Voltage application with "zero crossing" mode
- Test mode: **automatic** (temporised), **repetitive**, **burning**
- Floating AT outlets
- Rear connector for results repetition status, with clean contacts

REFERENCE NORMATIVE

Instruments realised according to law **EN 60204-1**. This machine satisfies the electric safety normative of the product, according to laws **EN 60335-1**, **EN 60598-1**, **CEI**, **UL**, **VDE**.

GENERAL OPTIONS

- Signalling lamps, showing the system status
- Failure warning horn
- Safety guns 6KV
- AT cables with connector and without guns
- 10KV version with safety guns 12KV
- Assembly in a rack

F3/A – DIGITAL VERSION

- Management through PLC with 12 bit digital board
- Alphanumeric display, touch-screen, colour, backlighted for: test parameters, measured values, operator's messages, functioning mode
- Memorisation of all set data
- Anomalies management
- Assembly in a 4U rack

SPECIFIC OPTIONS

- Test voltage in AC+DC
- 40 column printer on thermal paper
- Self-test
- Checking of voltage presence on test terminals
- Motorised convertor with voltage ramp, programmable upwards and downward
- Web server module, including the "DLL" for data transmission
- Web server + SW to visualise data in Labview



E63/A – INSTRUMENT FOR POWER DIELECTRIC STRENGTH TEST

On the same technical and general features of the E3/A version, this version has been realised upon the specific customer's need and request.

- Voltage from 12KV to 60KV AC, adjustable with continuity through the motorised convertor
- Maximum currents up to 1A, with maximum power of 10 KVA
- Standard AT cable outlet of 2m, with protection according to voltage



F3/A – INSTRUMENT FOR INSULATION RESISTANCE TEST ($M\Omega$)

TECHNICAL FEATURES

- Adjustable voltage from 400 to 2.500 Vdc standard, reaction voltage according to the load variation (others upon request)
- Minimum threshold of the final result expressed in $M\Omega$: from 200K Ω to 1G Ω
- Programmable timer from 0,5 to 200 sec with countdown
- Alphanumeric display, touch-screen, colour, backlighted for: test parameters, measured values, operator's messages, functioning mode
- High voltage outlets referred to the ground
- Anomalies management
- Rear connector for remote start

- Test result with the use of clean exchange contacts
- Dimensions: 525 x 460 x h 190 mm

OPTIONS:

- Web server module, including the "DLL" for data transmission
- Web server + SW to visualise data in Labview
- 40 column printer on thermal paper
- Signalling lamps, showing the system status
- Self-test
- 4U rack version with rear outlets
- Safety guns
- Outlet connector for HV sense cable (to check the presence of HV on a test piece)

F3 + E3/A COMBINED VERSION FOR INSULATION AND DIELECTRIC STRENGTH TEST

- Assembly in one unique bench, with 4U or rack Tests are performed both singularly and in automatic frequency. The technical features are the same as the single unit ones.



RISATTI
INSTRUMENTS

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