



ELECTRICAL POWER ENGINEERING



Variable three-phase power supply



DL 1013T1

Power supply unit for variable 3-phase voltage suitable for supplying AC machines.

- 16 A, 30 mA differential magneto-thermal main switch
- key operated emergency push-button
- start and stop push-buttons
- motor protection circuit breaker: 6.3 to 10 A
- multifunctional digital instrument that supplies voltage, current and power
- ac output: 3 x 0 ... 380 V, 8 A
- Modbus interface connectors

The output voltage is set by a rotary knob with 0-100% scale. Supply voltage: three-phase from mains.

Variable DC power supply



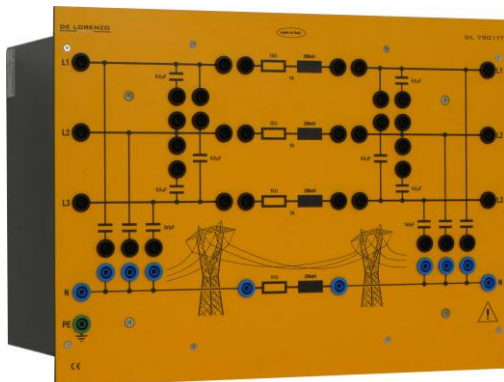
DL 1013T2

Power supply unit for variable dc voltage suitable for supplying DC machines.

- 16 A, 30 mA differential magneto-thermal main switch
- key operated emergency push-button
- start and stop push-buttons
- motor protection circuit breaker: 6.3 to 10 A
- multifunctional digital instrument that supplies voltage, current and power
- dc output: 0 ... 240 V, 8 A
- Modbus interface connectors

The output voltage is set by a rotary knob with 0-100% scale. Supply voltage: three-phase from mains

Line model



DL 7901TT

Three-phase model of an overhead power transmission line 360 km long, voltage 380 kV and current 1000 A.

Scale factor: 1:1000

Line resistance: 13 Ω

Line inductance: 290 mH

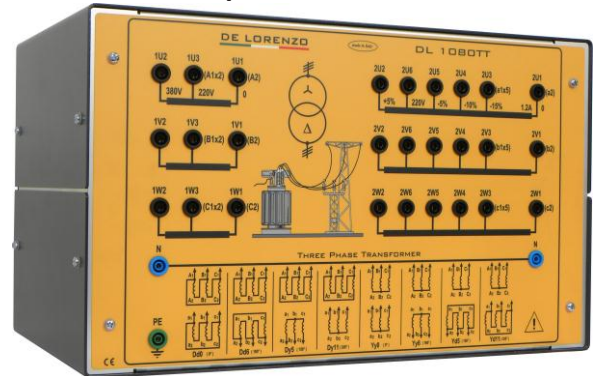
Mutual capacitance: 1 μ F

Earth capacitance: 2 μ F

Earth resistance: 11 Ω

Earth inductance: 250 mH

Three-phase transformer



DL 1080TT

Three-phase transformer for feeding a transmission line model 380 kV with scale factor 1:1000

Primary: 3 x 380 V windings with tap at 220 V

Secondary: 3 x 220 V windings with taps at +5%, -5%, -10%, -15%

• star or delta connection

• star connection for 3 x 380 V

• various star connections possible

• rated power: 800 VA

Tertiary: 3 x 220 V windings

• delta connection for stabilizing the third harmonic voltage components

• rated power: 266 VA