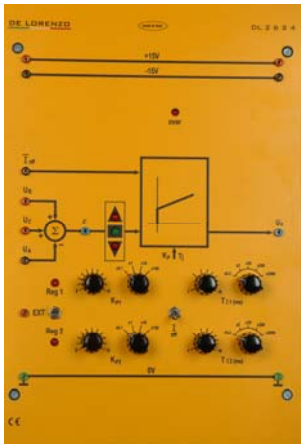
POWER ELECTRONICS

ADAPTIVE PI CONTROLLER



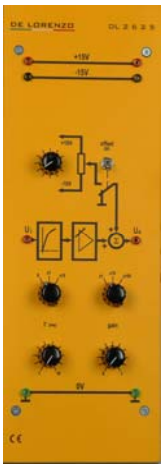
DL 2624

Technical features:
Power supply:
-15 V/0 V/+15 V
Input summing point for two different reference variables U_R and U_C and one controlled variable U_A.

Double compact PI controller for use as current controller in dc servo drives.

Signal voltage range:
-10 V . . . + 10 V
Continuously adjustable parameters of the two controllers:
proportional gain
K_p = 0 . . . 1000
integral action time
T_I = 0.2 ms . . . 20 s
Integral element reset by switch or via external signal.
Regulator selection by switch or via external signal.

MATCHING AMPLIFIER

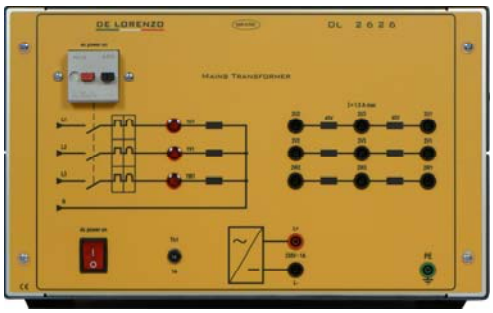


DL 2625

Amplifier as matching element between signal voltage levels and standard voltages used in automatic control systems.

Technical features:
Power supply:
-15 V/0 V/+15 V
Input signal range
U_i: -50 V . . . + 50 V
Coarse and fine gain setting:
0÷1/0÷10/0÷100
Connectable low pass filter with coarse and fine time constant setting:
0/ 1÷10 ms / 10÷100 ms
Connectable output offset voltage:
-10 V . . . +10 V

MAINS TRANSFORMER

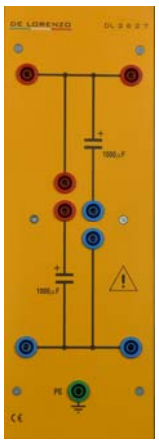


DL 2626

Three-phase transformer able to supply single and three-phase voltages as well as a rectified voltage for the excitation of the dc machines.
Three pilot lamps for signaling the mains voltage.
AC output through isolation transformer: 3 x 90 V/1.5 A with 3 intermediate sockets at 45 Vac.
DC output, non isolated from mains: 1 x 220 V/1 A, switch with pilot lamp and magneto-thermal protection 1 A

Technical features:
Power supply: three-phase from mains
Protection through three-pole magneto-thermal switch.

CAPACITORS



DL 2627

Two electrolytic high performance capacitors.
Particularly suitable to be used as filter capacitors or in the switching power supplies.

Technical features:
Rated value: 2 x 1000 µF
Rated voltage: 385 V
Protection against polarity inversion.
Discharge resistance:
330 kΩ (t = 330 s)