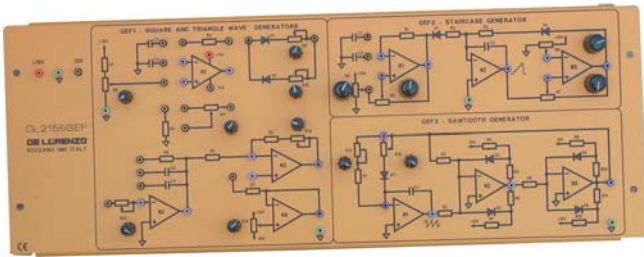




Function Generators



DL 2155GEF

Experiments

- Analysis of square wave and pulse generators with variable duty-cycle
- Analysis of square wave and triangular wave generators, with frequency, amplitude and offset adjustment
- Analysis of step wave generators
- Analysis of saw-tooth wave generators

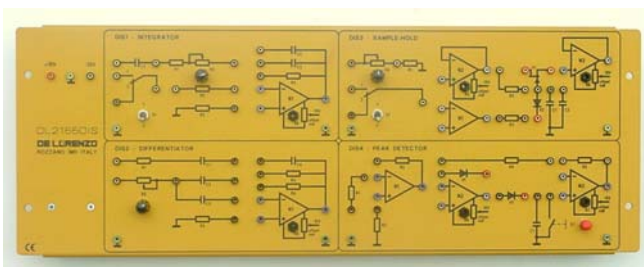
The board allows to perform functional checking of the simplest and most popular square wave generators, pulse generators, triangular wave generators, saw tooth generators and step generators. All generators are realized with operational amplifiers. For some generators circuitual arrangements have been used to allow adjustment of output signal frequency, duty-cycle, slope and offset.

It is therefore possible to perform an in depth study of increasing difficulty and complexity level of the function generator circuits.

The board is supplied complete with a set of stackable, plug-in cables of suitable lengths and colours and with a training manual.

Power supply: ± 15 Vdc, 750 mA

Differentiators, Integrators, Sample and Hold Circuits and Peak Detectors



DL 2155DIS

Experiments

- Analysis of the operation of an active differentiator circuit
- Analysis of the operation of an active integrator circuit
- Response of integrator and differentiator circuits to dc, square-wave and sinusoidal signals
- Analysis of the operation of a sample-and-hold circuit
- Analysis of the operation of a positive and negative peak detector with open and closed loop

The board is designed to analyze important circuits for analogue signal processing which are widely used in process controls.

In particular, it is possible to analyze circuits for signal acquisition as sample-holds or peak detectors and circuits for signal processing like differentiators and integrators.

The board is supplied complete with a set of stackable, plug-in cables of suitable lengths and colours and with a training manual.

Power supply: ± 15 Vdc, 750 mA