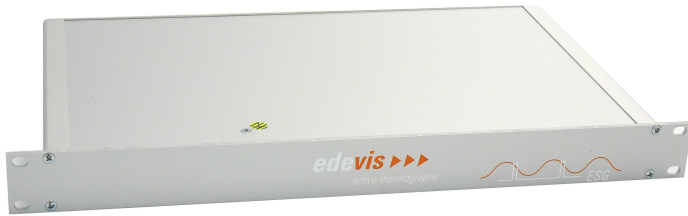


# ESG 3 - Datasheet

EDP 03.01.0101

Central control unit for active thermography



The **EDEVIS signal generator ESG 3** is the central control unit for all EDEVIS test systems. It controls all system components (excitation modules and triggering IR camera) via a uniform user interface (EDEVIS software DisplayIMG). The time accuracy for synchronized measurements (camera as master) is < 100ns. External controllers can be connected via the universal Digital IO extension and can thus control measurement sequences as master.

The analog outputs used can be used in a wide frequency range between 0.1 mHz and 10 kHz. The signal forms 'sine', 'triangle', 'square' and 'arbitrary' are selectable. By precisely referencing the start of the measurement, very accurate lockin measurements with phase accuracies < 0.1° can be performed in conjunction with accurate infrared cameras.

## Available interfaces:

- USB for communication with the host computer
- Trigger connector for IR cameras
- Power supply 24V / 4A for infrared camera
- Module interface for control of all EDEVIS excitation sources for induction-excited thermography, Laser-thermography, optical excited thermography (digital I/O, analog output, analog input)
- Documentation (English)

Technical data:	
Housing:	19" rack mount aluminum (1 U, 260 mm installation depth)
Ports:	5 module ports, 1 sync port
Electrical connection:	100-240 VAC, 50-60 Hz
Protection class:	SK I
Power consumption:	0,375 A
Weight:	3,15 kg
Operating conditions:	5°C to 40°C ambient temperature

Commercial details	
Item code	EDP 03.01.0101
Country of Origin	Germany
Customs Tariff Number	85432000
Weight	2.372 kg