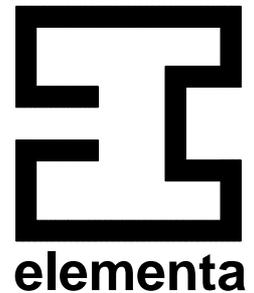


CONDUCTIVE VALUE SIMULATOR ILD 3000 - 2W



Scale 1 : 2



Features:

- * 3- and 6-figure decadic adjustment
- * high efficiency
- * High reliability
- * good frequency response
- * low space requirement by: **Integrated Techniques**
- * Option : calibration certificate

Features

Application:

In the development, production, quality control, service functions and in teaching.

- * For the simulation of: conductance measuring electrodes.
- * For adjustment of: voltage and current with reciprocal resistance values.
- * Applicable for calibration and control of: measuring and recording instruments.

Applications

Conductance ranges:

I (max):

$$I_{\max(A)} = 1,4 \sqrt{G}$$

Electrical data

ILD 3110-2	10 x 100mS	1400 mA
ILD 3210-2	10 x 10mS	450 mA
ILD 3310-2	10 x 1mS	140 mA
ILD 3410-2	10 x 100μS	45 mA
ILD 3510-2	10 x 10μS	14 mA
ILD 3610-2	10 x 1μS	U max = 300V

Tolerances: $\pm 1\%$ from the adjust value

Load: 2 watt per decade

Operating voltage: 300V max.

Temperature coefficient: $\leq \pm 100\text{ppm/K}$

ambient temperature: $-20^{\circ}\text{C} \dots \underline{23^{\circ}\text{C}} \dots 60^{\circ}\text{C}$

Short circuit resistance: $\leq 10\text{m}\Omega$ per decade

	Frequency response:	INTEGRATED RESISTANCE DECADES can be used up to frequencies of several MHz.
Construction	Rotary switch:	short-circuiting switch operation, hard silver contacts set level in ceramic
	Resistances:	Thick film technique (integrated at the switch level)
	Connections:	screw and plug sockets 4mm \varnothing
	housing:	Enamelled steel sheet housing, electromagnetically completely shielded
	Dimensions:	3 decades : 116 x 50 x 28 mm 6 decades : 116 x 100 x 28 mm
	Weight:	3 decades : about 250g 6 decades : about 550g
Delivery form	ILD 3000-2W:	3 or 6 decades of your choice in one housing
		<u>Ordering example:</u> 1 unit resistance decade ILD 3000-2W (3110-2, 3210-2, 3310-2), tol.: 1% with calibration certificate
	Individual decades:	the decades can be delivered for separate installation in equipment.
Calibration laboratory	Option	Calibration certificate: The calibration is done with measurement equipment which is several times more accurate than the calibrated object. The measurement equipment is traceable to the national standards at the PTB (Physical Technical Federal Institute). With this calibration certificate you prove the required ISO 9000 traceability to national standards.
Delivery program	HYBRIDS	Thick-film, Thin-film and SMD technology
	DECADES SIMULATORS	Resistors, capacitors, voltages, currents, current drains, attenuation Pt-100, Pt-500, Pt-1000, Ni 100 thermoelements, pH-values, conductivity, measurement transducers, strain gauges
	CALIBRATORS SWITCHES	for current loops and multimeters rotary switch/resistance combinations, attenuation components and resistance indicators, also with binary control.

We reserve the right to carry out modifications, especially those which improve the product. All correspondence occurs without reference to the Patent position.