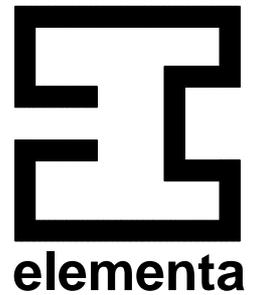


mV / μ V - DECADE IVD 1500

"1 μ V...1,11V"



Scale 1 : 2



Features:

- * 1 μ V resolution
- * exact digital setting
- * mains independent operation
- * compact construction using:
INTEGRATED TECHNIQUES
- * **Option :**
calibration certificate

Features

Application:

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

for **calibration and control** of:
measuring and recording instruments,
measuring amplifiers and
analogue / digital converters

for **simulating** of thermoelement voltages

as **a constant voltage supply** in
development and production eg.

for **defined zero shift** in measurement circuits.

Application

Range	Resolution	Tolerances*	Output resistance
1,110 V	1 mV	0,08% + 9 μ V	0,25 Ω
111,0 mV	100 μ V	0,08% + 6 μ V	0,25 Ω
11,10 mV	10 μ V	0,07% + 3 μ V	1,25 Ω
1,110 mV	1 μ V	0,06% + 2 μ V	1,25 Ω

Electrical Data

* \pm (% of nominal value + μ V) at 23 $^{\circ}$ C \pm 5K

Temperature coefficient: \pm 50 ppm/K

Overload: the ranges are protected against short circuits

Ambient temperature: -20 $^{\circ}$ C...23 $^{\circ}$ C...60 $^{\circ}$ C

Current supply	Internal:	1 x 9V dry battery IEC 6 LF 22 eg. DURACELL MN 1604.
	Internal current drain:	about 4mA
	Operational battery life:	about 100 hours (dependet on choice of range and load)
	Change of battery:	indicated by red light.
	Polarity changeover switch:	enables either changing polarity or switching off
	External:	10 - 20V=(also non-stabilised)
Construction	Wrong polarity:	internal reverse polarity protection avoids damage of instruments.
	Rotary switch:	short-circuited switch operation, gold plated hard silver contacts.
	Connections:	5 plug sockets 4mmØ
	Housing:	enamelled sheet steel housing fully electrically and electromagnetically shielded.
	Dimensions:	116x100x28mm
	Weight:	about 450g
Ordering example	IVD 1500	1 unit mV/µV-decade, typ IVD 1500 with calibration certificate
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 DECADES SIMULATORS CALIBRATORS SWITCHES	Thick-film, Thin-film and SMD technology Resistors, capacitors, voltages, currents, current drains, attenuation Pt-100, Pt-500, Pt-1000, Ni 100, thermoelements, pH-values, conductivity, measurement transducers, strain gauges 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.