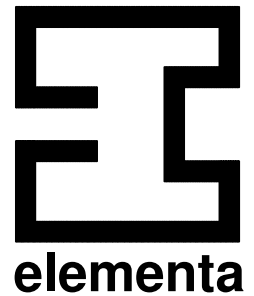
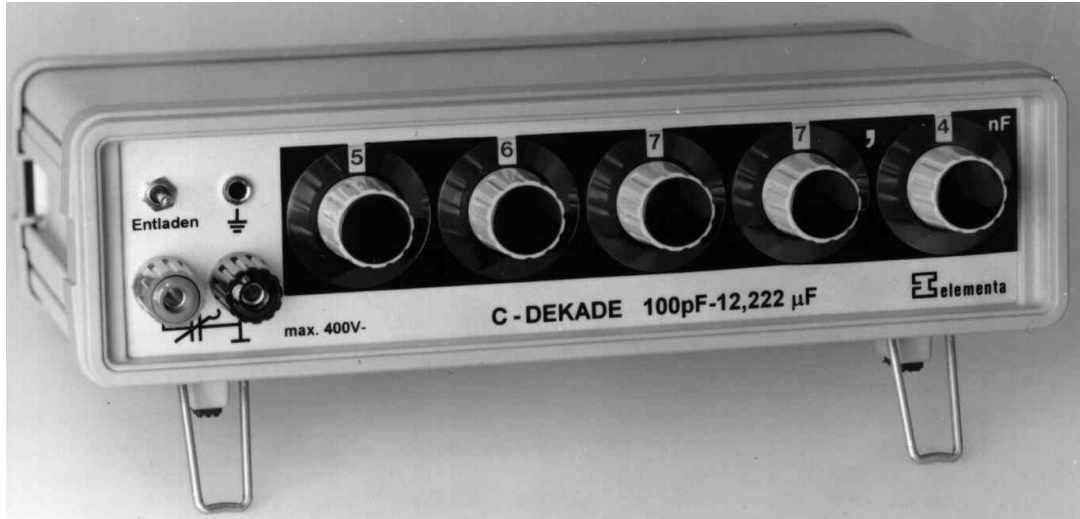


# CAPACITOR DECADE CDK 1000

"100pF - 12,222µF"



Scale 1 : 2,5



- Features:**
- \* High voltage stability
  - \* Low dissipation factor
  - \* Low drift due pre-ageing
  - \* Built-in discharge switch
  - \* Wide adjustable range
  - \* Safety connection sockets
  - \* Shielded isolated construction
  - \* Prepared for panel mounting
  - \* Option : calibration certificate

**Features**

**Applications:** In the development, production, quality and service departments as well as in instruction.

**Applications**

Capacitance range : 100pF to 12,2221µF  
11x ( 0,1 + 1 + 10 + 100 + 1000)nF

**Electical data**

Tolerances: CDK 1010 = ± (1% + 10pF)  
CDK 1002 = ± (0,5% + 5pF)

Operating voltage :  $U_N = 400 V_{\approx}; 220 V_{\approx}$  to 3000 Hz  
 $U_S = 1,4 U_{eff.\approx} + U_{\approx} \leq U_N$

Rated Current : ≤ 5A

Operating temp. range : -25°C to + 80°C

Temp. coefficient (typ.) : -250 ppm/K

Dielectric:	Polypropylene film	
Dissipation factor of the capacitors :	$\text{tg}\delta \leq 4 \cdot 10^{-4}$ at 1 kHz	
Isolation resistance:	$\geq 1000 \text{ M}\Omega$	
Ageing ( Drift ):	$\leq 0,2\%$ per year	
Impulse limits of the capacitors range :	75 V/ $\mu\text{s}$ in the	x 1 $\mu\text{F}$ range
	100 V/ $\mu\text{s}$ in the	x 100 nF range
	200 V/ $\mu\text{s}$ in the	x 10nF range
	1000 V/ $\mu\text{s}$ in the	x 1nF & 100 pF range
Base capacitance :	typ. 35pF	
Frequency response:	The decade is suitable for operation up to the MHz range	
Shielding :	The completely sealed metal housing full shields the decade	
Discharge :	Due to the high insulation resistance of the capacitors it is recommended that the built-in discharge switch is operated both before and after each use. During the discharge, the red measuring connection is internally automatically disconnected.	
Measuring connections :	Two 4mm $\varnothing$ safety sockets clamps	
Earth connection:	A 4mm $\varnothing$ laboratory socket	
Housing:	stable aluminium housing	
Dimensions:	255 mm x 143 mm x 68 mm	
Weight:	about 1,5 kg	
<b>Delivery form</b>	Ordering example:	1 unit CDK 1010 with calibration certificate

**Calibration laboratory**

Option	<b>Calibration certificate:</b> 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 <b>PTB</b> (Physical Technical Federal Institute). With this calibration certificate you prove the required <b>ISO 9000</b> traceability to national standards.
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**Delivery program**

HYBRIDS	Thick-film, Thin-film and SMD technology
DECADES	Resistors, capacitors, voltages, currents, current drains, attenuators
SIMULATORS	Pt-100, Pt-500, Pt-1000, Ni 100 thermoelements, pH-values, conductivity, measurement transducers, strain gauges
CALIBRATORS	for current loops and multimeters
SWITCHES	rotary switch/resistance combinations, attenuator and resistor components, 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.**