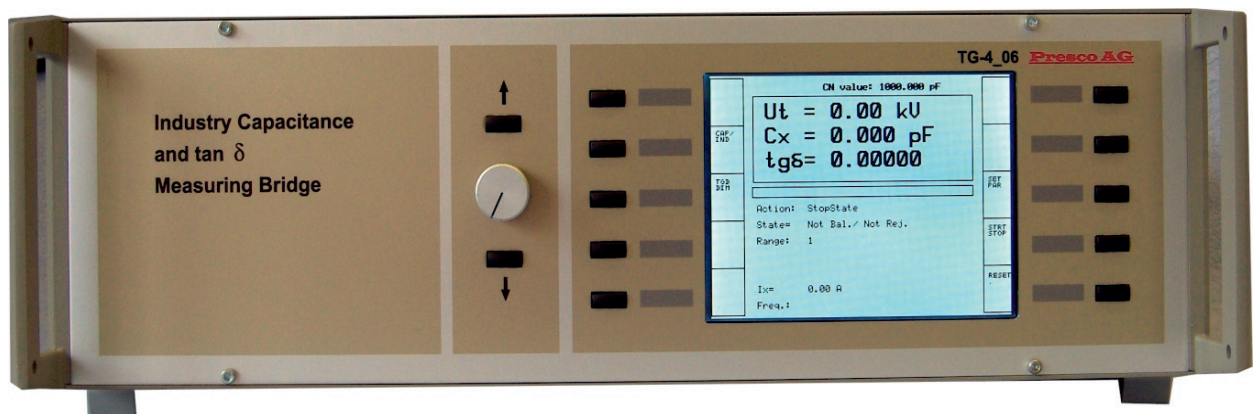


Universal Capacitance and $\tan\delta$ Measuring Bridge Type TG-4



- Fully automatic
- Very easy to operate
- Capacitance measuring range up to $10'000 \cdot C_N$
- Measurement of grounded and ungrounded Specimens
- Tan Delta uncertainty $1 \cdot 10^{-4}$
- Test object current up to 15 A
- Automatic interference suppression (Option)
- Lightweight unit of only 9 kg
- RS232 Interface for data transfer to PC
- Storage of up to 10 files with up to 50 measurement records each

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Specifications

Universal Capacitance and tand Measuring Bridge

Type TG-4

maximal current through test object	15 A
maximal current through standard capacitor	30 mA
capacitance measuring range	$0.1 \times C_N \dots 10'000 \times C_N$
dissipation factor range	$1 \times 10^{-4} \dots 10$
voltage measurement	10 V ... 1 MV (dependent of C_N)
uncertainty of capacitance measurement	$\pm 0.1\%$
uncertainty of phase measurement	$\pm 0.2 \text{ mrad} \pm 1\%$ of the displayed value
uncertainty of voltage measurement	$\pm 1\%$ of range ± 2 digits
Display	Capacitance in pF, nF or μF or inductance in Henry, mH, μH $\tan\delta$, Power or quality Factor, direct or % HV value and frequency
Noise suppression	up to 10 mA (Option)
Measurement frequency	50 or 60 Hz
Interface	RS 232
Weight	app. 9 kg, 20 lbs
Dimensions w × d × h	455 x 340 x 132 (in mm) 19 x 13 x 5 (in inch)

reference conditions

minimal current through standard capacitor	35 μA
temperature	$23^\circ \text{C} \pm 2^\circ \text{C}$
humidity, non condensing	45 ... 75%
altitude (pressure)	101.3 kPa

rated range of use

according IEC 359	
temperature	$5^\circ \text{C} \dots 40^\circ \text{C}$
humidity, non condensing	20 ... 95%
altitude (pressure)	70 ... 106 kPa

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