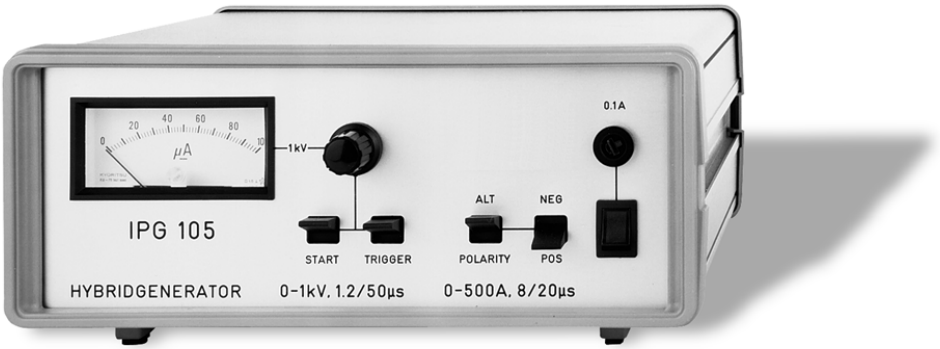
COMBINATION WAVE GENERATOR

IPG 105

Voltage wave:
1.2 / 50 µs
0 - 1.0 kV

Current wave:
8 / 20 µs
0 - 500 A



The Combination Wave Generator IPG 105 is a combined impulse-current/impulse-voltage generator which, for high-impedance loads, $R_L > 100\Omega$, delivers a standard impulse voltage with waveform 1.2/50 µs and, for short-circuited output, a standard impulse current with waveform 8/20 µs, according to IEC 60060.

The generator allows dielectric testing of components and systems, pulse testing of over-voltage protectors and over-voltage protection circuits and testing of the electromagnetic compatibility of electronic systems and devices acc. to IEC 61000-4-5, EN 61000-4-5, VDE 0847-4-5 and IEEE 587. The generator excels by simple handling and precise reproducibility of test impulses. It is specifically designed for pulse testing during development of over-voltage protection circuits and for EMC-testing of I/O- and data lines.

Polarity of output pulses can be selected, positive or negative pulses or pulses with alternating polarity can be generated. The output terminals of the generator are potential-free; isolation voltage is 220 V≈ or 1000 Vs. The Generator may be remotely controlled by optically isolated low-level signals.

Technical Specifications:			**IPG 105**
Charging voltage adjustable (10 turn pot)			0 - 1100 V
Analogue display of the charging voltage			0 - 1000 V
Surge voltage:			0 - 1000 V ± 10%
	Waveform acc. to IEC 60		1.2/50 µs ± 20%
Surge current:			0 - 500 A ± 10%
	Waveform acc. to IEC 60		8/20 µs ± 20%
Control commands:	START / TRIGGER		key
	POLARITY: POS/NEG/ALT		toggle switch
Remote control	START / TRIGGER / POL:		optically isolated
Current loop			10 mA =
Mains power supply			220 V / 50 Hz
Dimensions:	desk top case	W * H * D	250*110*270 mm^3
Weight			3.5 kg