PG 10-150

Flammability test



Impulse output voltage:
± 0.5-10 kV

Energy storage capacitor
3 µF

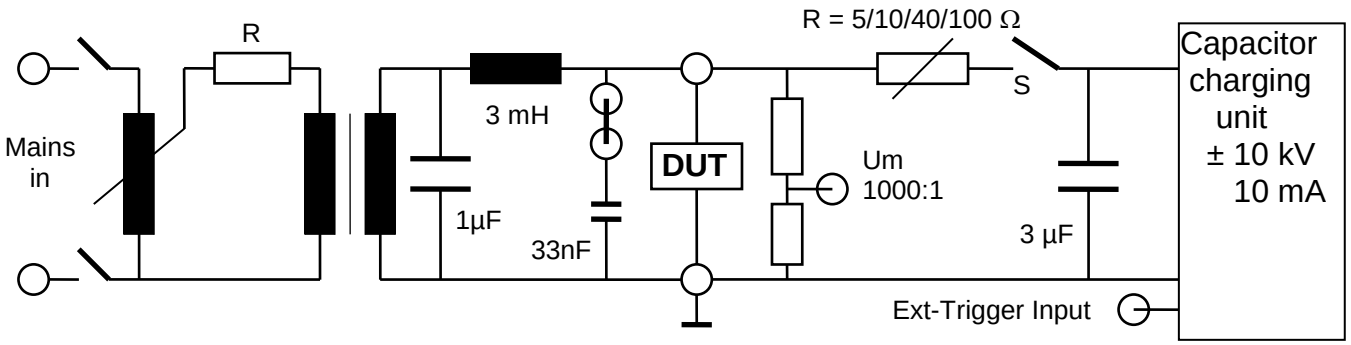
Mains voltage, adjustable
300V / 16A

According to
IEC 60384-14:2013

The PG 10-150 consists of a microprocessor controlled 7 "touch screen control and display unit as well as a power unit.
A standard USB port provides the ability to print a summary of the test parameters to a USB stick.

The power unit consists essentially of a variable transformer with motor drive, isolating transformer, filter circuit, DUT with parallel capacitor and a high-voltage pulse generator. All settings in the power section are made on the control unit.
The pulse-forming networks according to IEC 60384-14 are adjustable.

Block diagram of the PG 10-150:



Options	PG 10-150
PROTECTIVE COVER PA504 ON THE EQUIPMENT TOP	
With safety interlock switch and grille for smoke extraction connected to the safety interlock loop, red and green warning lamps installed acc. EN 50191 (VDE 0104)	See figure
Software IPG-REMOTE, for remote control	
With Impulse Recording Function (IRF)	
(XP, WIN7, WIN10) incl. 5m long light guide and PC Ethernet interface	

TECHNICAL SPECIFICATIONS:		PG 10-150
Mainframe		
Microprocessor controlled touch panel		7”, capacitive
Optical Ethernet Interface for remote control of the generator		optional
Interface for saving reports		USB
External Trigger input/ output		switch/ 10 V
Connector for external safety interlock loop		24 V =
External red and green warning lamps acc EN 50191 (VDE 0104)		24 V=, 40 mA
Mains power		230V,16A, 50/60 Hz
Dimension:	Case without protective cover, 24HE, W * H * D On 4 wheels, 2 lockable	550*1100*800 mm^3
Weight		85 kg
AC voltage source		
Output voltage, adjustable		0 - 300 V
Output current, max		16 A
filter capacitor		1 µF
series inductor		3 mH
Parallel capacitor C3, can be switched off		33 nF
High voltage impulse generator		
Charging voltage, adjustable		± 0.2 - 10 kV
Polarity		Pos / neg / alt
charging current		ca. 10 mA
Energy storage capacitor		3 µF
Series damping resistor R, switchable		5/10/40/100 Ω
⇒ The pulse-forming networks according to IEC 60384-14 are adjustable		
High voltage switch S, triggerable		built-in
DUT connection, pluggable, on the top of the unit		
Series resistor for current limiting		built-in