

EUROPE'S LARGEST SELECTION OF TEST & MEASUREMENT EQUIPMENT FOR HIRE

**INLEC.COM**

# DATA-SHEET



Nationwide Low Call  
**0333 6000 600**

**WHY BUY**  
WHEN YOU CAN HIRE



## Baur PGK 50

### Data Sheet



### High Voltage Test Set PGK 50/80

The portable high voltage devices PGK 50/80 for generation of negative high voltage up to 50, or 80 kV are designed for at site testing of paper-insulated mass-impregnated cables in medium voltage networks. High voltage is generated by a high voltage transformer and a voltage multiplier. Thanks to an internal operating frequency of 20 kHz small dimensions are possible. Packaged in a handy carrying case with handles and carrying strap, the PGK units are portable and well equipped for field applications.

Type	PGK 50*	PGK 80*
Max. test voltage	50 kV DC	80 kV DC
at an output current of:	2 mA	0,8 mA

\* for more data refer to load curve

#### Features:

- stepless adjustable output voltage
- voltage measurement is made directly at high voltage output
- timer 1-30 min
- sensitive current measurement for acquisition of smallest insulation currents (6 ranges)
- high short-circuit current
- safety control according to VDE 0104
- transient wave protection
- socket for safety contact, emergency off switch, external signal lamps
- connection of Y/t plotter for recording the current output



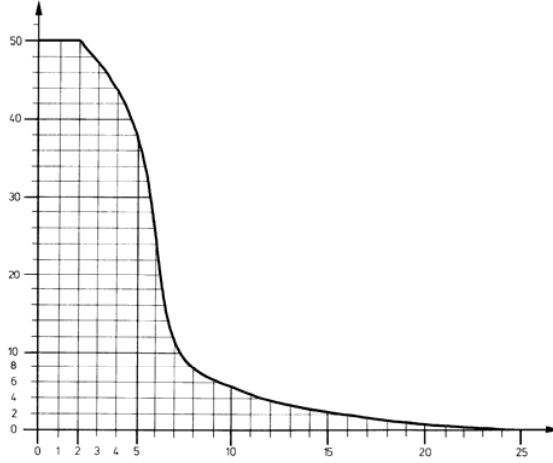
The integrated discharge device works automatically and independent of instrument position. The discharge resistor is prepared for a maximum discharge energy of 8.000 Ws. At power failure the discharge device is automatically released.

### Technical data

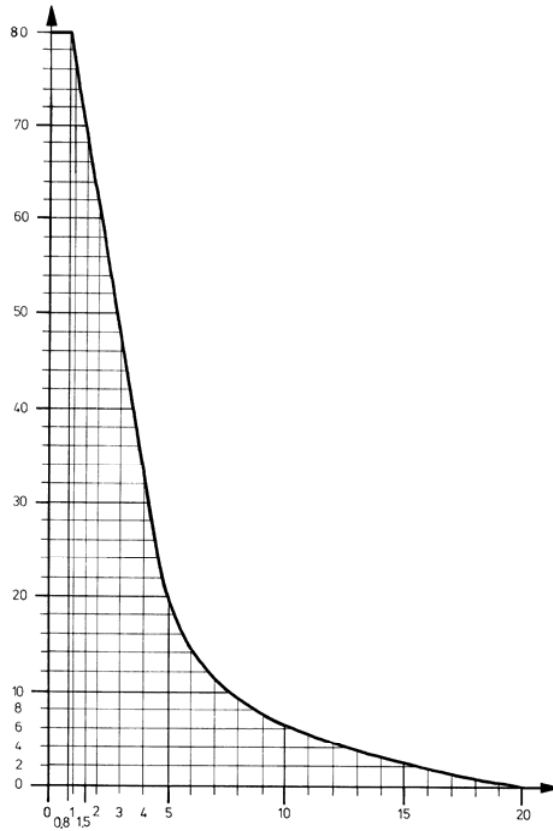
	PGK 50/80	
Power supply	220 - 230 V; 50 - 60 Hz Also available for power supply: 110 - 120 V / 240 V	
Max. power consumption	PGK 50: 1.600 VA	PGK 80: 1.400 VA
Rated output voltage	50 kV DC neg.	80 kV DC neg.
Rated output current	2 mA at 50 kV	0,8 mA at 80 kV 1,5 mA at 70 kV
Short-circuit output current	25 mA	20 mA
Timer	0 - 30 min	
Discharge device	for a maximum discharge energy of 8.000 Ws, at 1 discharge per 15 min; $T_u = 20^\circ \text{C}$	
Voltage measuring range	I PGK 50: 0 - 50 kV	PGK 80: 0 - 80 kV
	II 0 - 10 kV	0 - 16 kV
Accuracy of kV-meter	$\pm 2,5 \%$	
Current measuring range	1 $\mu\text{A}$ / 10 $\mu\text{A}$ / 100 $\mu\text{A}$ ; 1 mA / 10 mA / 100 mA	
smallest readable current	20 nA	
Relative humidity	not condensing	
Ambient temperature	Working: 0 ... + 45 ° C Storage: - 20 ... + 60 ° C	
Dimensions (W x H x D)	495 x 460 x 285 mm	
Weight	25 kg	



### PGK Load characteristics



### Load characteristics PGK 50



### Load characteristics PGK 80



### **High Voltage Test Set PGK 50**

#### **Delivery includes:**

- High voltage test set PGK 50 without accessories
- HV connection cable, approx. 4 m long; fix mounted to instrument
- Ground line 3 m long; with ground terminal 24 mm wide
- Cable for operating ground, current measuring cable
- Mains connection cable, fix mounted on instrument
- Operating manual

#### **Options:**

- Discharge rod ES 70; 12 kW

### **High Voltage Test Set PGK 80**

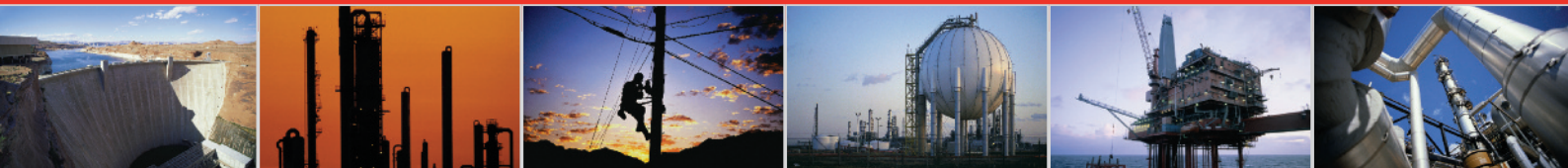
#### **Delivery includes:**

- High voltage test set PGK 80 without accessories
- HV connection cable, approx. 4 m long; fix mounted to instrument
- Ground line 3 m long; with ground terminal 24 mm wide
- Cable for operating ground, current measuring cable
- Mains connection cable, fix mounted on instrument
- Operating manual

#### **Options:**

- Discharge rod ES 70; 12 kW

# INLEC, supporting you to deliver a world class service, every day, in every sector ...



## OUR COMMITMENT TO YOU

### A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

### Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

### Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

### We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

## YOUR 5 WAY GUARANTEE

### 1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

### 2 OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match guarantee online

### 3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application\*.

### 4 FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from an unbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

### 5 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

\*subject to availability and conditions

## Europe's leading Test Equipment Hire Specialist



LAB NO. 0535



Nationwide Low Call 0333 6000 600

Online: [www.inlec.com](http://www.inlec.com)

Inlec UK Ellerbeck Way, Stokesley Business Park, Stokesley N Yorkshire TS9 5JZ United Kingdom



CERT. NO. GB93/1773



Accredited Contractor