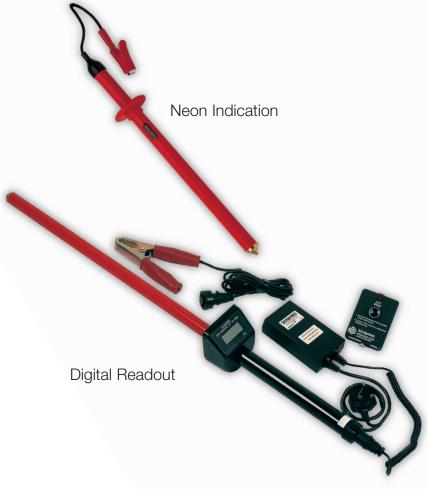
HV INDICATORS

Portable, neon and digital potential indicators for confirming voltage on earthed neutral systems.



These instruments let you confirm the presence of voltage on earthed neutral electrical systems. They conform in design lengths to the recommended creepage and safety standards. Each model features high grade PVC tubing and incorporates encapsulated resistor chains. There's a PH3 proving unit for additional safety and should be used before and after the voltage indicator's used.

The digital reading instruments provide voltage measurements and are supplied with detachable earth lead, battery charger and PH3 proving unit.

Digital Readout Accessories				
Unit	Features	Part No.		
PH3	 Proving unit for proof testing high voltage indicators High voltage output 1200V -1500DC Self test facility Avoids use of known supply points or bulky test equipment 	112A913		
Bent End	■ 90° standard, 120° on request	141A900		
Adaptors	Suitable for use on vertical type switchgear	(specify degree)		
Extension	■ 1.5m extension rod for use on	141A901		
Rod	overhead lines			
	Suitable for use with KDIE/15D, KDIE/33D, PR15D and PR33D			



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HV INDICATORS SPECIFICATIONS

Indicator Type >	Neon Indication			Digital Reading			
Indicator Type >	KD1E	KD1E/19	KD1E/19S	KDE1/22	KDE1/33	KD1E/15D	KD1E/33D
Maximum System voltage	11kV	19kV	19kV	22kV	33kV	15kV	33kV
Maximum Voltage to earth	6.6kV	11kV	11kV	12.5kV	19kV	8.6kV	19kV
Threshold voltage	300V	300V	300V	300V	300V		
Measuring Range						0.00kV-8.6kV	0.00kV-19.0kV
Resolution						10V	100V
Sensitivity	AC/DC	AC/DC	AC Only	AC/DC	AC/DC	AC/DC	AC/DC
Circuit current	2.3mA nominal	0.7mA nominal	0.9mA nominal	3.5mA nominal	1.1mA nominal	0.5mA nominal	1.1mA nominal
(IEC 61234-2)	@6.6kV	@11kV	@11kV	@12.5kV	@19kV	@8.6kV	@19kV
Dielectric leakage current	7µA nominal	11µA nominal	12µA nominal	12µA nominal	17µA nominal	9µA nominal	17µA nominal
(IEC 61234-2)	@13.8kV	@ 22.8kV	@ 22.8kV	@ 26.4kV	@ 40kV	@ 18V	@ 140kV
Length (mm)	330	330	330	665	670	600	600
Diameter (mm)	25	25	25	25	25	25	25
Handle length (mm)	105	105	105	90	250	235	235
Hand guard height (mm)	23.5	23.5	23.5	23.5	23.5	23.5	23.5
Contact Electrode Type	Domed	Flat	Flat	Domed	Domed	Domed	Domed

Extension Rods >	1.5m Straight	90°	120°	
Maximum System voltage	33kV	15kV	33kV	
Dielectric leakage current	140µA nominal @ 40kV	50µA nominal @ 18kV	130µA nominal @ 40kV	
Length (mm)	1.5m	780	780	
Diameter (mm)	25	25	25	
Contact Electrode Type	"V" form	Domed	Domed	

Digital Readout Specifications

Features

- Use as a potential indicator to determine presence of voltage
- Robust display housing
- No switches
- Provides direct reading of voltage measurements
- Low battery indicator
- Supplied with battery charger
- Specifically designed carrying case for unit and accessories

Unit	System Voltage*	Features	Part No.
KDIE/15D	15KV max	Resolution-10V	109A910
KDIE/33D	33KV max	Resolution-100V	109A911

*Earthed neutral system

Neon Indication Specifications

Features

- Duplicate neon indicators within shock resistant sleeves
- Permanently connected earth cable
- Hand guards on all elements
- Direct access to vertical or horizontal metal clad switch gear
- UK Electricity Council Approval list G9

Unit	System Voltage*	Features	Part No.
KDIE	IKV-11.5KV		113A916
KDIE/KAD	IKV-11.5KV		113A915
KDIE/19	1.5KV-19KV	KAD Audio Alarm	113A914
KDIE/19S	1.5KV-19KV	AC Voltage	113A913
KDIE/22	3KV-22KV		113A912
KDIE/33	3KV-33KV		113A911



Seaward test and measurement companies include:



