

TEK402/TEK404

Continuity testers



Key features

- Loud 85dB buzzer for noisy environments
- Convenient belt clip
- Detachable test leads

Additional features TEK404

- Bright LED for visual indication
- Buzzer & LED intensity reduce with increased continuity resistance
- Audible and visual live voltage warning
- CAT III 600V compliant
- Includes CAT III rated TL47 leads

The TEK402/TEK404 are compact continuity testers with audible indication. The tough construction make them ideal for industrial and commercial environments including low voltage signalling, process control and training or educational applications. Both models include a convenient belt clip.

The loud 85dB buzzer make them ideal for use in noisy environments where many continuity buzzers, multimeters or 18th Edition multifunction testers cannot be heard.

The TEK404 has both audible and visual indicators. As a useful guide, the buzzer and LED intensity reduce with increased continuity resistance. It has the added benefit over the TEK402 of an enhanced safety rating making it suitable for use in BS EN61010 CAT II and CAT III locations. Other safety features include an audible warning if accidentally connected to live circuits >30V AC.

TEK402/TEK404

Continuity testers

FUNCTION	TEK402	TEK404
ELECTRICAL		
Probe voltage	9V DC approx.	
Test current	5mA	<50µA
Continuity range	0Ω to 10kΩ nominal	0Ω to 2.2kΩ ± 10%
Audible output level	85dB minimum at 30cm with leads shorted	
Overvoltage protection	50mA, 250V, Fast Acting Ceramic Fuse, 20mm x 5mm	Electronic protection to 600V
LED indication		Bright orange LED. Buzzer and LED intensity reduce with increasing continuity resistance
Alarm function threshold		>30V ± 20V DC & AC rms
ENVIRONMENTAL		
Location	Indoor use only	
Altitude	Up to 2000m	
Temperature & Humidity (Operating)	-10°C to 40°C at max 70% R.H.	
Temperature & Humidity (Storage)	-10°C to 50°C ≤ 80% R.H.	
Mains supply voltage fluctuations	±10%	
IP Rating	IP40	
Pollution degree	2	
GENERAL		
Power	9V, PP3 alkaline battery (IEC 6LR61, NEDA 1604A)	
Dimensions	150(H) x 64(W) x 31(D) mm	
Weight	264g (including lead, croc clips & battery)	296g (including lead, croc clips & battery)
Lead set	TL49 test leads with insulated crocodile clips	TL47 test leads with insulated crocodile clips
SAFETY		
Conforms to	BS EN 61010-1:2010+A1:2019, max 50V to earth (no measurement category)	BS EN 61010-1:2010+A1:2019, CAT III 600V, Class II, double insulation
EMC		
Conforms to	BS EN 31326-1:2013	

TEST LEADS	TL49		TL47
ELECTRICAL			
Maximum voltage	1000V AC/DC		
Maximum current	10A continuous		
Connector	4mm banana plug with fixed shroud		
SAFETY			
Conforms to	BS EN 61010-031:2015		
Probe tip caps fitted	CAT III 1000V, 10A	CAT IV 600V, CAT III 1000V, 10A	
Probe tip caps removed	CAT II 1000V, 10A		
Crocodile clip fitted	CAT III 1000V, 10A, Class II, double insulation	CAT III 600V, CAT II 1000V, 10A, Class II, double insulation	

Included**TEK402:** TL49 lead set, batteries and instruction manual**TEK404:** TL47 lead set, batteries and instruction manual

Martindale Electric Co. Ltd.
 Metrohm House, 12 Imperial Park,
 Imperial Way, Watford WD24 4PP.
 T: 01923 441717 F: 01923 446900
www.martindale-electric.co.uk
sales@martindale-electric.co.uk

Ver. C1.2

Due to policy of continuous development, Martindale Electric reserves the right to alter equipment specification and description outlined in this document without prior notice. No part of this document shall be deemed to be part of any contract for the equipment unless specifically referred to as an inclusion within such contract. © 2022 Martindale Electric Co. Ltd.