



**SPECIFICATIONS****Ingress protection**

IP54

**C stake, P stake and Noise check**

Automatic

**Noise rejection**

40 V pk to pk

**2-wire, 3-wire, 4-wire test**

Yes, no shorting links required

**No disconnect testing (ART)**

Yes, with MCC CLAMP

**Stakeless measurement**

Yes, with MCC CLAMP and MVC CLAMP

**Instrument output**Voltage:  $\pm 25$  V or  $\pm 50$  V at 94 Hz, 105 Hz, 111 Hz and 128 Hz

Current: 4.5 mA or 0.45 mA or 0.045 mA

**Ground current range with clamp**

0.5 mA to 19.9 A

**Ground current accuracy**5%  $\pm 3$  digits**Ground voltage range**

0 to 100 V ac

**Ground voltage accuracy**2%  $\pm 2$  V**Resistance ranges**2, 3, 4 pole: 0.01  $\Omega$  to 200 k $\Omega$ ART: 0.01  $\Omega$  to 200 k $\Omega$ Stakeless: 0.01  $\Omega$  to 200  $\Omega$ **Resistance accuracy**2P measurements: 2%  $\pm 3$  digits3P measurements: 2%  $\pm 3$  digits4P measurements: 2%  $\pm 3$  digitsART measurements: 5%  $\pm 3$  digitsStakeless measurements: 7%  $\pm 3$  digits**Maximum probe resistance**Rp limit: 200 k $\Omega$  (50 V output voltage)Rc limit: 200 k $\Omega$  (50 V output voltage)Limits reduced to 100 k $\Omega$  for 25 V output voltageLimits reduced to 5 k $\Omega$  for 0.01  $\Omega$  resolution**Display**

3½ digit high contrast liquid crystal, backlit

**Battery type**

DET4TC2: 8 off AA (LR6) cells

DET4TCR2: 8 off AA (LR6) NiMH rechargeable cells

**Operating temperature range**

-15 °C to +55 °C / 5 °F to 131 °F

**Storage temperature range**

-40 °C to +70 °C / -40 °F to 158 °F

**Safety**

Complies with the requirements of IEC61010-1 100V CAT IV between terminal pairs.\*

**EMC**

In accordance with IEC61326-1

**Standards Compliance**

Complies with the requirements of KEMA K85B

Complies with the following parts of EN61557, "Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. - Equipment for testing, measuring or monitoring of protective measures".

Part 1 - General requirements

Part 5 - Resistance to earth

**Dimensions**

203 mm x 148 mm x 78 mm (8 in x 5.8 in x 3 in)

**Weight**

1kg (2.2lb)

\*The CAT IV 100 V rating is dependant on the use of a leadset of at least this rating, for example the optional two wire leadset part number 1001-858.

**ORDERING INFORMATION**

Item	Order Code.	Item	Order Code.
DET4TC2	1000-345	<b>Accessories</b>	
DET4TCR2 (rechargeable)	1000-346	Replacement hard carry case	5410-429
<b>Included Accessories</b>		Replacement calibration check PCB (two-clamp measurements)	1000-434
Hard carry case		Replacement ground test stakes (x2) for included kit (200 mm, 8 mm dia)	6220-804
Stake and wire kit (15 m, 10 m, 10 m, 3 m)		Replacement ground test leads (x4) for included kit (15 m, 10 m, 10 m, 3 m)	6220-806
Right angle terminal adaptors (to connect bare wires to terminals)		Replacement cable reel (50 m, red + spike)	1010-844
External AC/DC charger (DET4TCR2 only)		Replacement cable reel (30 m, black + spike)	1010-848
<b>Kitted options for ART and Stakeless testing</b>		Replacement cable reel (50 m, yellow + spike)	1010-842
DET4TC2 + clamps	1000-365	Replacement cable reel (30 m, green + spike)	1010-849
DET4TCR2 + clamps (rechargeable)	1000-366	Replacement external AC/DC adaptor (DET4TCR2 only)	6280-370
<b>" + clamps " included Accessories</b>		MCC CLAMP	1010-516
Hard carry case		MVC CLAMP	1010-518
Stake and wire kit (15 m, 10 m, 10 m, 3 m)		Calibration check box (25 Ohm)	1000-435
MCC CLAMP (for ART testing)		Right angle terminal adaptor set	1012-511
MVC CLAMP (adds stakeless testing)		Black crocodile clip (1)	6220-850
Field calibration check for instrument and CLAMPS		"Getting down to earth"	
Right angle terminal adaptors (to connect bare wires to terminals)		Megger guide to earth ground testing	21500-072
External AC/DC charger (DET4TCR2 only)		Leadset	1001-858
<b>Professional kitted options for ART and Stakeless testing</b>			
DET4TC2 + ETK50C	1012-521		
DET4TCR2 + ETK50C	1012-523		
<b>" + kit " included Accessories</b>			
Hard carry case			
Stake and wire kit (15 m, 10 m, 10 m, 3 m)			
MCC CLAMP (for ART testing)			
MVC CLAMP (adds stakeless testing)			
Field calibration check for instrument and CLAMPS			
External AC/DC charger (DET4TCR2 only)			
Separate ETK50C 2x 50m, 2x 30m complete with spikes and tape measure in weather proof holdall			