

Insulation/Continuity Tester

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DIT 400 Digital Insulation/Continuity Tester

NEW



**BSEN
61557**
FULLY CERTIFIED

**PART P
COMPLIANT**

SFS®
SUPER FAST SYSTEM

- New patented Super Fast System (SFS®) gives super fast time saving results
- As well as saving time, SFS® greatly extends battery life
- 3 way-250, 500 and 1000 volt insulation plus full 200mA continuity test
- Uses only 4 x AA alkaline batteries giving over 5000 tests at 500V
- Supplied complete with quality test leads, carrying case and manual
- Fully protected against accidental live voltage contact up to 600V AC

**Fast, accurate and easy
to use**

Simple to Use

Clear, Accurate Digital Display

Super Fast Readings

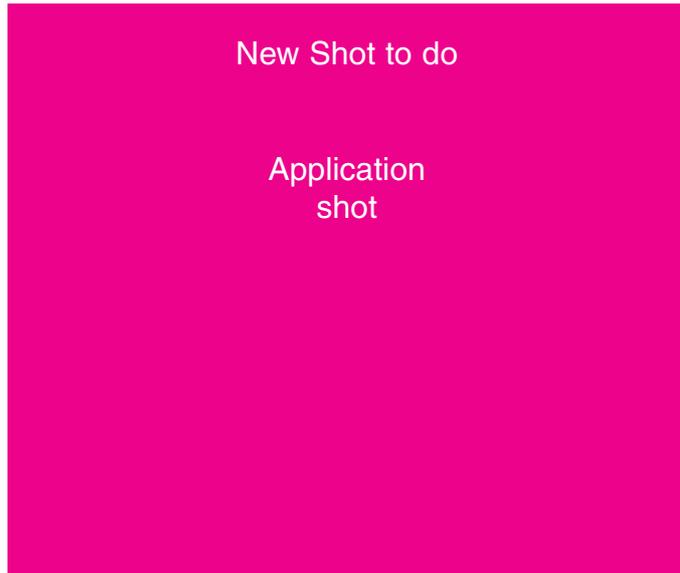
DIT 400 Technical Features

- Three output Voltages for Insulation 250V, 500V and 1000V
- Insulation / resistance measurement up to 999 MΩ
- Continuity measurement up to 999 Ω resolution 0.01 Ω
- Powered by only 4 'AA' Batteries
- Visual and audible warning of energised circuits
- Null Function to eliminate lead resistance up to 2Ω
- Complies with BS 7671 16th Edition requirements
- Complies with BS EN 61010 300V CAT III
- Complies with BS EN 61557 parts 1 2 and 4
- Protected against accidental mains connection up to 600V AC
- Intelligent auto shut off to preserve battery life

Insulation/Continuity Tester

DIT 400 £189.95

DIT 400 Digital Insulation/Continuity Tester



SUPER FAST SYSTEM READING (SFS)

text to come



LESS THAN 1MΩ DISPLAY

text to come



1000V READING IN CERT MODE

text to come



RUGGED CASING

text to come

Insulation Test Ranges

Accuracy (Cert mode)

| Test Voltage | Ranges (Auto Range) | Tolerance (@20°C) |
|--------------|---------------------|-------------------|
| 250V | 0.01 to 9.99 MΩ | ± 3% ± 1 digit |
| | 10.0 to 99.9 MΩ | ± 3% ± 1 digit |
| | 100 to 199 MΩ | ± 6% ± 1 digit |
| 500V | 0.01 to 9.99 MΩ | ± 3% ± 1 digit |
| | 100 to 199 MΩ | ± 3% ± 1 digit |
| | 200 to 500 MΩ | ± 6% ± 1 digit |
| 1000V | 0.01 to 9.99 MΩ | ± 3% ± 1 digit |
| | 10.0 to 99.9 MΩ | ± 3% ± 1 digit |
| | 100 to 399 MΩ | ± 3% ± 1 digit |
| | 400 to 999 MΩ | ± 6% ± 1 digit |

Output Voltage (Cert and SFS mode)

| Voltage | Load | Output Current | Tolerance |
|--------------------------------------|--------|----------------|-----------|
| 250 | 250 kΩ | 1 mA | -0% +20% |
| 500 | 500 kΩ | 1 mA | -0% +20% |
| 1000 | 1 MΩ | 1 mA | -0% +20% |
| Short circuit current (in to 2kΩ) | | | <2mA |
| Typical Test Time (cert mode) (10MΩ) | | | <2 sec |
| Typical Test Time (SFS mode) (10MΩ) | | | <1 sec |
| SFS Threshold | | | 2 MΩ |

Continuity Test Ranges

Accuracy (Cert mode)

| Ranges (Auto Range) | Tolerance (@ 20°C) |
|-------------------------------------|--------------------|
| 0.00 to 9.99 Ω | ± 3% ± 2 digits |
| 10.0 to 99.9 Ω | ± 3% ± 2 digits |
| 100 to 999 Ω | ± 3% ± 2 digits |
| Open Circuit Voltage | >4V, <10V |
| Short Circuit Current | >200mA |
| Zero offset Adjust (Test Lead Null) | 2Ω |
| Typical Test Time (Cert mode) (2Ω) | < 2 sec |
| Typical Test Time (SFS mode) (2Ω) | < 1 sec |
| SFS Threshold | 10 Ω |

Power

4 x AA alkaline batteries (not included)
Battery Life (BS EN 61557) > 4000 tests @ 500V test voltage

Environmental

Operating Temperature Range 0°C to 40°C
Storage Temperature Range -10°C to 60°C
Size 157mm x 89mm x 39mm
Weight 400g



PDL 300 Multifunction Digital Loop Tester

NEW



BS EN 61557
FULLY CERTIFIED

PART P COMPLIANT

- 4 in 1 digital tester - loop, mains voltage, correct wiring, correct polarity
- Patented no-trip loop test technology
- Accurate mains voltage measurement to latest BS 7697, HD 472 S1
- Built in proven SOK 32 correct wiring indication - see page 8 for complete fault indication chart
- Unique Socket & See Polarity test gives ultimate overall system safety check
- Carrying case included

Digital Loop Tester

PDL 300 £169.95



BUILT-IN SOCKET TEST FUNCTION AND VOLTAGE DISPLAY



SIMPLE TOUCH PAD OPERATED LOOP TEST - NO DIRECT CONTACT



CLEAR LESS THAN 1MΩ DIGITAL DISPLAY

Wiring Test

Detects missing E or N (>15kΩ)
 Detects L-E or L-N swap
 Detects Live Earth phase reversal by use of touchpad
 Fault indicated by chart on front of instrument
 Phase voltage measurement accuracy 0.5% ± 1 Volt and displayed on LCD

Loop Test

Continuous reading of loop resistance (Rl + Re) with result displayed on LCD

Test current < 15mA at 253V AC

| Range | Accuracy |
|----------------|------------|
| 0.20 to 1.99 Ω | 8% ± 0.2 Ω |
| 2.0 to 99.9 Ω | 8% ± 0.2 Ω |
| 100 to 500 Ω | 8% ± 3 Ω |

Test stops within 30ms if measured EARTH potential > 25V AC

Range for compliance with EN61557 is 30 Ω to 500 Ω

Environmental

Operating Temperature Range 0°C to 40°C
 Storage Temperature Range -10°C to 60°C
 Operating Humidity 80% @ 31°C to 50% @ 40°C
 Size 140mm x 80mm x 31mm with fixed lead
 Weight 250g

Standards

CE Marked
 Complies with BS EN61010-1: 300V Cat III
 Complies with BS EN61326 (with amendment A1)
 Complies with BS EN61557

PDL 200 Multifunction Easy Loop Tester

NEW



**PART P
COMPLIANT**

- 4 in 1 digital tester - loop, mains voltage, correct wiring, correct polarity
- Patented no-trip loop test technology
- Accurate mains voltage measurement to latest BS 7697, HD 472 S1
- Built in proven SOK 32 correct wiring indication - see page 8 for complete fault indication chart
- Unique Socket & See Polarity test gives ultimate overall system safety check
- Carrying case included

Digital Loop Tester
PDL 200 £79.95



CLEAR LESS THAN 1M Ω LOOP TEST READING



BUILT-IN SOCKET TEST FUNCTION AND CORRECT VOLTAGE RANGE DISPLAY

Wiring Test

- Detects missing E or N ($>15k\ \Omega$)
- Detects L-E or L-N swap
- Detects Live Earth phase reversal by use of touchpad
- Fault indicated by chart on front of instrument
- Phase voltage measurement accuracy 1% and displayed on 3 LED's

| | |
|----------------|----------|
| $<207V\ AC$ | LOW |
| $207-253V\ AC$ | STANDARD |
| $>253V\ AC$ | HIGH |

Loop Test

- Continuous reading loop resistance ($R_l + R_e$) with result displayed on 5 LED's
- Test current $< 15mA$ at 253V AC

| Range |
|----------------|
| $<1\ \Omega$ |
| $<2\ \Omega$ |
| $<20\ \Omega$ |
| $<200\ \Omega$ |
| $>200\ \Omega$ |

- Each breakpoint has an accuracy of $\pm 10\%$
- Test stops within 30ms if measured EARTH potential $> 25V\ AC$ and 'Earth Fault' indication displayed

Environmental

| | |
|-----------------------------|--|
| Operating Temperature Range | $0^{\circ}C$ to $40^{\circ}C$ |
| Storage Temperature Range | $-10^{\circ}C$ to $60^{\circ}C$ |
| Operating Humidity | 80% @ $31^{\circ}C$ to 50% @ $40^{\circ}C$ |
| Size | 140mm x 80mm x 31mm with fixed lead |
| Weight | 250g |

Standards

- CE Marked
- Complies with BS EN61010-1: 300V Cat III
- Complies with BS EN61326 (with amendment A1)



Dead Circuit Finder

Dead Circuit Finder

DCF 200 Multifunction Dead Circuit Finder



CONTINUOUS WIRE - 5
LIGHT READING -
CONTINUOUS TONE



BROKEN WIRE - 1 LIGHT
READING AND AUDIBLE
ALERT

Applications:

- Fuse Finding - find which fuse is feeding the dead circuit
- Wire Tracing - trace wires through floors and walls
- Wire Picking - pick the correct wire from a bundle or loom
- Wire break detection - locate a break in a wire

- Find a circuit by identifying the individual conductor
- Trace cables
- One internal battery, single 9V cell operation
- 3 - Way product - Simple to use
- Carrying case included

Dead Circuit Finder

DCF 200 £149.95

Find that dead circuit - fast!

Bright, easy to read LED's

Clear Audible Indication

Error Free Testing

DCF 200 Features

Receiver

- Simple operation by single button
- Automatically adjusts to received signal strength - no fiddly volume wheels or range buttons
- Works up to 1m away
- Dual audible/visual indication
- Auto power-off
- Low battery indication
- Self check facility (using transmitter)

Transmitter

- Simple operation by single button
- Built-in battery - does not need mains supply
- Auto power-off
- Low battery indication
- Drives long cables
- Works with or without an earth
- Warning of short circuit or potentially hazardous voltages
- Protected against accidental mains connection up to 440V

Power

Single 9V alkaline battery, MN 1604 or similar (not included)
Auto power-off

Environmental

0 to 40°C

80% humidity @ 31°C linearly decreasing to 50% @ 40°C

Standards

CE Marked

Complies with BS EN61010-1: 300V Cat III (receiver)

Complies with BS EN61326 (with amendment A1)

