



Intrinsically-Safe Continuity Tester Ex-DT 12



Fig. to original size!

Continuity tester with acoustic and optical readout for fast testing of electrical continuity in potentially explosive areas.

Standard delivery:

- Ex-DT 12
- 2 protective caps
- 2 x LR03 (AAA) batteries

Accessories:

- Protective caps
- Spare battery LR03(AAA)

The Ex-DT 12 Intrinsically-Safe continuity tester is a handy and robust testing device for use in potentially explosive areas. The electronics are housed in the test probe, which means the basic device does not have to be handled during measuring and leaves both hands free for the test operation.

Application:

- Testing of wiring and electrical contacts
- Testing of resistances
- Testing of capacities
- Testing of inductivities
- Establishing the transmitting direction of semi-conductors

Ex-Data:

Ex-designation:
Ⓜ II 2 G EEx ia IICT4

EC-Certificate of Conformity:
TÜV 03 ATEX 2120



The combination of optical and acoustic readout permits usage in a loud environment.

Technical data:

Working temperature:	-4°F ... 122°F (-20 ... +50C)
Resistance:	10Ω - 450kΩ
Inductivity test:	10mH – 1H
Capacity test:	0.5μF – 1000μF
Diode test:	2 diode sections
Max. external inductivity	1H
Max. external capacity	1000μF
Max. error output flow I _o	5mA
Max. error output voltage U _o	3.3V
Max. external voltage resistance outside of ex-zone	U _m = 420V
Duration of operation:	approx. 20h (continuous)
Visual readout:	4 x LED (in test probe)
Acoustic readout:	loudspeaker
Test probe dimensions: (Minus pol)	1.97" x 7.1" (50 x 180 mm) (ø x l)
Overall length:	67" (1,70 m) (test probe to test probe)
Weight:	approx. 7 oz (200g) (including batteries)
Power supply:	2 x LR03 (AAA) to IEC

