



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.

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-Daten:

Ex-designation:
⊕ II 2 G EEx ia IIC T4

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:	-20 ... +50C
Resistance:	10 - 500k
Inductivity test:	10mH – ex-limits
Capacity test:	0.5F – ex-limits
Diode test:	2 diode sections
Max. external inductivity	1H
Max. external capacity	1000F
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)	50 x 180 mm (l x)
Overall length:	1,70 m (test probe to test probe)
Weight:	approx. 200g (including batteries)
Power supply:	2 x LR03 to IEC

Standard delivery:

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

Accessories:

Protective caps
Spare battery LR03(AAA)