

## ■ CCTS-03



**Set contains:**  
1 CCTS-03  
3 Test cords  
2 Hirschmann clips  
1 Hirschmann test probe  
1 headset  
1 sturdy Cordura bag

### Light and handy testing device

#### Indispensable for:

- Initial operation
- Troubleshooting
- Fault correction
- Test operation even on busy lines
- Microprocessor controlled adjustment
- Overvoltage protected
- Loop resistance test up to 2000 Ohm

#### Check of:

- Reversals
- Contact
- Discontinuance
- Ground fault



The CCTS-03 cable conductor test set is always used in a set consisting of two devices. It enables two technicians to communicate on unconnected lines. The devices and the headset are stored in robust and lightweight Cordura bags for transport and storage.

For newly laid and spliced cables with higher pairs, it is necessary to check the individual cores before closing the joints. With the CCTS-03 it is possible to quickly and easily check the individual cores for continuity, interchange, contact and ground fault. There is always a voice connection between the technicians. The microprocessor-controlled adjustment allows a clear differentiation between A- and B-wire even with occupied lines with low impedance (120 Ohm). It is no longer necessary to disconnect the line at the HVT/MDF. This saves a lot of time.

To check the cores, one device is defined as the transmitter and the other as the receiver device.

CCTS-03 can also be used on wired telecom lines. The CCTS-03 is equipped with overvoltage protection to protect the device and the operator.

The entire electronics are housed in a robust and impact-resistant housing. The power supply is a 9 V alkaline battery. The battery compartment is accessible from the outside. The screw of the battery compartment cover is undetachable.

The CCTS-03 is operated with three buttons. The ON status is indicated by a flashing red LED. Switching between transmitter and evaluator is done with the second button. The third button is used to adjust the CCTS-03 to check occupied lines with low impedance like ISDN or xDSL.

The test cords are of high quality with 4 mm banana plugs on both sides. Solid fully insulated clamps and a test tip for connecting to bare wires are included in delivery.

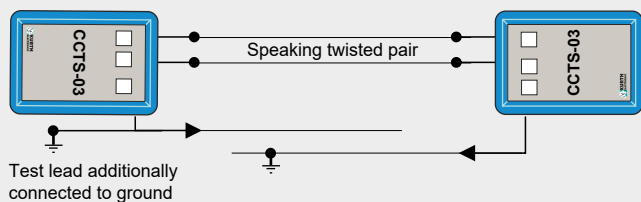
The lightweight headset is very comfortable to wear.

CCTS-03	
<b>Housing</b>	Sturdy and impact-resistant, weatherproof ABS housing, front foil with short operation guide
<b>Dimensions</b>	160 x 95 x 35 mm
<b>Weight</b>	350 g with battery, test leads and lightweight headset
<b>Power supply</b>	9 V alkaline battery
<b>Operation time</b>	Approx. 10 hours with one battery set
<b>Test leads</b>	150 cm test leads made from flexible PVC with 4 mm banana plug
<b>Connection</b>	Fully insulated alligator clips and probe tip
Universal headset	
<b>Weight</b>	Approx. 60 g
<b>Features</b>	Receiver on one side left or right, noise compensated microphone
Operation	
<b>Voice communication</b>	Free wire pair, no polarity
<b>Testing</b>	Free or live wire pair
<b>Overvoltage protection</b>	Self-resetting power protection
<b>Adjustment on occupied line</b>	Fully automated
<b>Testing range</b>	Up to 2000 $\Omega$
<b>Talking range</b>	> 3000 $\Omega$
<b>Loop resistance</b>	In regard to cable length without winding: Wire diameter 0.4 mm    approx. 285 $\Omega$ /km Wire diameter 0.6 mm    approx. 117 $\Omega$ /km Wire diameter 0.8 mm    approx. 66 $\Omega$ /km

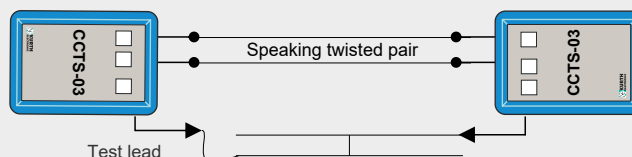
## Usages

### Tone audible if ground fault

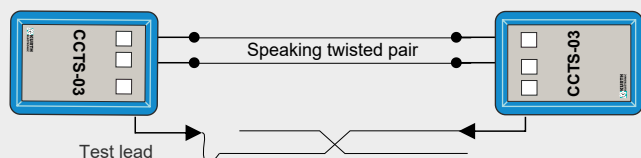
Carry out this test only with connected lines!



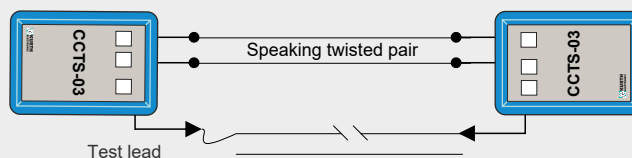
### Contact between lines if tone is audible



### Wires interchange (overdraft) if tone is audible



### Interruption or wrong wire if tone is not audible



■■■■	Type	Description
0.49617	CCTS-03	Cable conductor test set CCTS-03, test leads 1.5 m, 2x black and 1x red, 2x fully insulated clips KLEPS30 black, 1x test probe PRÜF2 red, 1x universal headset, 1x Cordura pouch