

# D205

## LAN / Telco Cable Tester

### GUIDE TO OPERATION



**DARKSTAR TECHNOLOGIES**

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## Features

The D205 is a simple, low-cost approach to testing UTP or STP LAN, or USOC telecom cables. It's easy to use and can fit easily in your pocket or tool kit. Bi-color leds monitor all four pairs and LAN shield, and indicate whether they are wired correctly, reversed, open or shorted. The two-piece design allows users to test cables either before or after installation.

## Operation

Both the master and remote module contain two RJ45 modular connectors. One is for LAN cables and the other is for USOC telecom cables. **Be sure to use the same connector type at both ends of the cable that you are testing.**

Simply plug one end of your cable into the master unit and plug the other end into the remote unit. The "system connected" lamp in the remote unit will light when both ends of the cable have been plugged in. The master unit will display the status of your cable as follows:

- A green led means that a pair is wired correctly
- A red led means that a pair has been reversed
- No lamp means the pair is open, shorted or unconnected
- The LAN shield led will light to indicate that an STP cable is properly connected between the LAN connectors. If any of the other eight wires are shorted to the shield, then the LAN shield led will be dim or dark. The LAN shield led will also be dark if the shield is open or when a UTP cable is connected.

When testing 10/100BASE-T cables, you must at least be using pair 1-2 and pair 3-6 of the T568 scheme. The other two pairs may or may not be used depending on your particular implementation. When testing telecom cables using the USOC scheme, pair 4-5 is the center pair, pair 3-6 is line two, etc.

**Note:** The D205 is expecting all pairs to be wired straight through, meaning that a cable with its modular connectors "flipped" from one end of the cable to the other should display red lamps on all pairs. A "flipped" STP cable will cause the LAN shield led to be dim.

When your D205 lamps appear to get dim or fail to function, simply replace the 9-volt alkaline battery inside the remote unit.

## **Specifications**

<b><i>Power Requirement</i></b>	9-volt alkaline battery
<b><i>Unit Size</i></b>	2 pieces: 2.3 X 2.4 X 1 inches 5.9 X 6.1 X 2.6 centimeters
<b><i>Shipping Weight</i></b>	1.0 lb / 0.45 kg
<b><i>Operating Temperature</i></b>	0 to 45 degrees centigrade non-condensing
<b><i>Cable Types Supported</i></b>	UTP - RJ45 STP - RJ45 USOC - RJ45
<b><i>Maximum Cable Length</i></b>	300 meters
<b><i>Fault Conditions Tested</i></b>	Open pairs Shorted pairs Reversed pairs LAN shield continuity

## **Technical Assistance**

Customer support is obtained through the distributor from which you purchased your tester. If you still have problems or cannot locate your distributor, you may reach us via fax at (765) 775-4073 or via our website at [www.darkstar.crowecorp.com/](http://www.darkstar.crowecorp.com/)

## **Warranty**

Darkstar Technologies warrants its products against defects in materials or workmanship for a period of one year from the date of purchase. Any product that is returned shipping prepaid will be inspected and tested, and items meeting warranty conditions will be repaired or replaced free of charge. Please contact your distributor if repair or replacement is required.

