

Connection example 1:



ARGUS Copper Box

intec is now offering an optional expansion for the xDSL combitesters ARGUS 152, ARGUS 155, and ARGUS 165: the ARGUS Copper Box. The USB Box lets you identify dangerous voltages and currents before it is too late and safely assess the physical status of the line – especially when no DSL synchronization is possible or the data rate is low, both of which may be due to asymmetry, irregularities or other physical problems on the line.

Simply connect this handy box to an ARGUS tester using the USB host interface. Then you can use the tester's graphical user interface to select the box and carry out all the measurements quickly and easily.

The standard ARGUS Copper Box has three banana jacks and an additional connection for customer-specific requirements. The jacks are designed for four millimeter, all-insulated banana test leads for measurements in the laboratory and in the field.

Further technical features of the ARGUS Copper Box:

- The DC voltage measurement lets you identify activated connections (such as ISDN, POTS), supply (as in SHDSL) and external voltages.
- Dangerous external voltages can be identified by the AC voltage measurement.
- Emergency, external or normal supplies can be identified just as easily as overlengths or interruptions to the line with the DC measurement.
- The loop resistance measurement helps you locate shortcircuits and estimate the length of lines.
- The isolation resistance measurement provides information on damage to the cable isolation, moisture penetration or oxidized contacts.
- The capacitance measurement indicates opens, as well as the typical input capacitance of connected devices, and points out possible asymmetries on the local loop.
- Symmetry measurement: an attenuation measurement with a frequency of 1 MHz provides information on an asymmetry on the local loop.

All of the measurements can be carried out with the greatest possible accuracy as automated TRG measurements (Tip (a), Ring (b), Ground).

Because it weighs a mere 200 grams and has a high-quality plastic housing, the ARGUS Copper Box is not only very handy but also highly resistant to impacts, falls or other mechanical stresses. Despite its high output and high measuring voltages, the box is convincing owing to its very long run time. This is because it uses the powerful Li-ion battery pack of the ARGUS tester.

Thanks to its compatibility, the box can be used with several testers. This means that an installation team can expand several ARGUS testers separately as required and use any additional functions of the box they may need. So it is no longer necessary to send in the devices to add these functions. When the USB-Copper Box is not needed it can be stowed away together with the tester in the protective case.

You can also use your PC to get free updates for the Copper Box quickly and easily.

Users can reach even the most remote corner with the box using the fixed USB cable. The Copper Box has a very strong strain relief on its cable, so it can also be used comfortably when suspended or under load. It comes with three high-quality test leads and a comprehensive manual.



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Technical Features:

- **Power supply** via USB-Host of the ARGUS
- Keypad via 4 cursor keys and 3 softkeys of the ARGUS
- 2 LEDs indicating status
- CE marking: complies with CE directives
- User safety: fullfils EN 60950-1:2006-11
- RoHS conformance accoring to WEEE directive

Interfaces:

- 4 x 4 mm banana jacks (for all-included test leads)
- USB-Host interface (Type A)

Environmental conditions:

- Operating temperature: 0 °C to +50 °C
- Storing temperature: -20 °C to +50 °C
- Relative humidty: up to 95 %, non-condensing

Dimensions:

- Size: H 125 mm, W 74 mm, D 22 mm (4.92 x 2.91 x 0.87 in)
- Weight: ca. 190 g (0.42 lbs)

Standard package:

ARGUS Copper Box incl. three all-insulated banana jacks (red, black, green) and english Manual

ARGUS Copper Box (incl. protective cover) Order number: 015095



<u>intec</u>

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ARGUS Copper Box is available with the following basic packages: ARGUS 152 ADSL Annex B+J Order number: 115232 ARGUS 152 ADSL Annex A+L+M Order number: 115202 ARGUS 152 ADSL Annex A+B+J+L+M Order number: 115252 ARGUS 152 VDSL2 Order number: 115272

ARGUS 155 ADSL Annex B+J

Order number: 115532 ARGUS 155 ADSL Annex A + L + M Order number: 115502 ARGUS 155 ADSL Annex A + B + J + L + M Order number: 115552 ARGUS 155 VDSL2 Order number: 115602 ARGUS 155 SHDSL-2-w Order number: 115632 ARGUS 155 ISDN PRI/E1 Order number: 115662

 ARGUS 165 GigE + ADSL Annex B+J

 Order number: 116530

 ARGUS 165 GigE + ADSL Annex A+L+M

 Order number: 116500

 ARGUS 165 GigE + ADSL Annex A+B+J+L+M

 Order number: 116550

 ARGUS 165 GigE + SHDSL 2-w

 Order number: 116580

 ARGUS 165 GigE + VDSL2

 Order number: 116570

* We would be glad to provide further details and information about additional accessories on request.