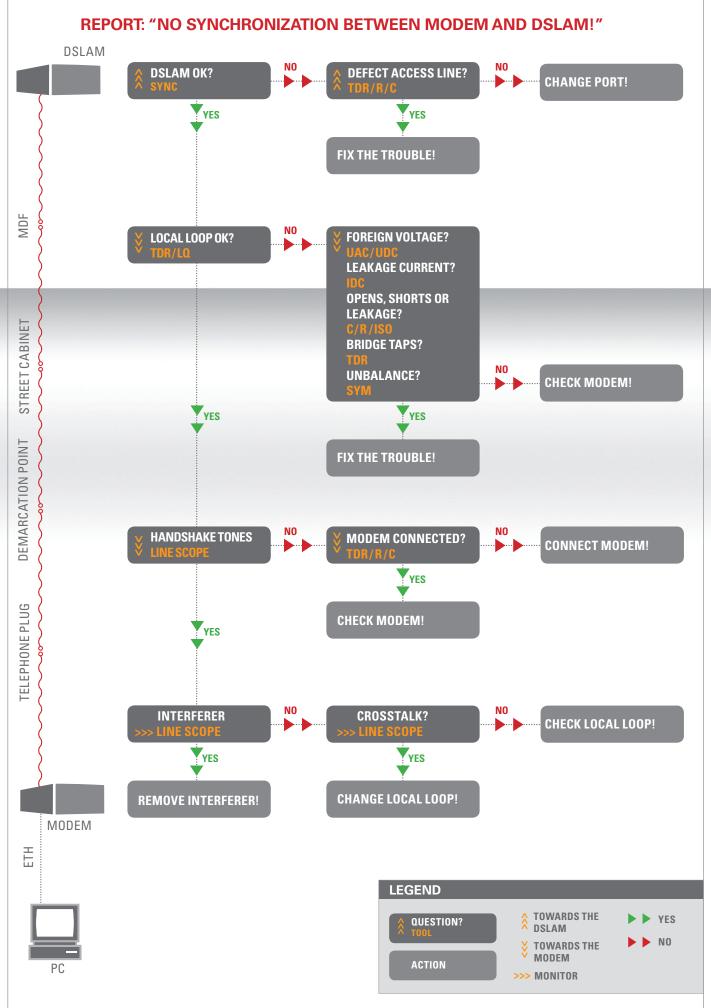


Local loop troubleshooting with ARGUS!



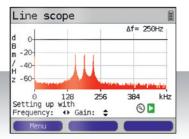
How to test copper lines with ARGUS!

LQ master mode	
Profile: 2.2MHz Annex A	(ADSL2+) (ADSLx)
Attain.datarate [kBit/s] 287	d u 40 1620
	Graph

Sync/Line Qualification

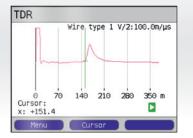


Synchronization with the DSLAM and OK/FAIL evaluation of the bit rate. If there ist no remote end, use the Line qualification* to estimate the bit rate in master/slave mode.



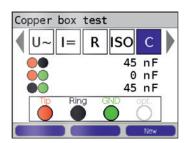


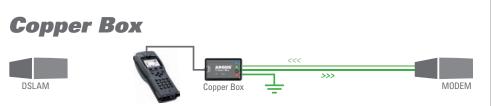
Real-time Line Monitoring up to 30 MHz in frequency and time domain e. g. for detecting handshake tones, noise, cross talk or temporary interference. Use the Active Probe and switch between symmetrical and asymmetrical mode to hide the useful signal so that only the noise is displayed.



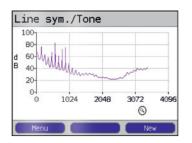


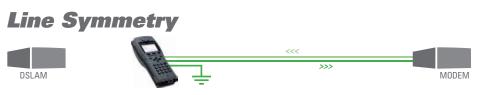
Time-Domain Reflectometer for measuring loop length and locating wiring issues like bridged taps, loose contacts or shorts. Adapt the impedance* of the TDR to the impedance of the line or use preconfigurable wire type profiles with a preset VoP.





The ARGUS Copper Box supports voltage (AC/DC), current, loop and isolation resistance as well as capacitance measurements. Connect the Copper Box to the ARGUS USB port and easily detect foreign voltages, opens, shorts, earth faults between Tip, Ring and Ground.





Check the capacitive balance of the line using the Copper Box capacitance measurement or its symmetry check at a frequency of 1 MHz. Use the wideband line symmetry test to analyze the longitudinal balance at every tone of the DSL frequency spectrum (30 MHz).*

* ARGUS 152 only

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In use throughout Europ

intec Gesellschaft für Informationstechnik mbH is developing products for the international telecommunications market for 25 years and is one of the leading suppliers for xDSL, ISDN and IP measurement technology in Europe today.

With the aid of ARGUS measurement equipment, users can conveniently and safely commission and troubleshoot xDSL and ISDN accesses as well as inspect services like VoIP and IPTV based hereon. ARGUS testers are designed to meet the day-to-day needs of the field staff; consequently intec engineers focus on ensuring high-quality measurements combined with simply and convenient operation.

The portfolio of ARGUS testers, software and analyzers benefits from a continuous development and is kept up-to-date with support for the current standards for all the common access types and protocols as well as for the features of the Next Generation Networks (NGN) and Triple Play services. Throughout the world, numerous telecommunication companies have come to appreciate and rely on the advantages offered by intec equipment; to name just a few Deutsche Telekom, Saudi Telecom, Telefonica, KPN, British Telecom and Telekom Austria.







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intec

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ARGUS overview

	165	155	152	42 plus	141	42 basic	125	3u NT	3u plus	3u basic
VDSL2			3							
	3	3	3				3			
ADSL 1		3								
SHDSL										
ETH 10/100 BT										
TH 1000 BT (Cu)										
SFP (FTTx)										
BRI U										
BRI S/T TE/LL										
BRI S/T NT/										
PRI/E1										
POTS										
RC										
Line Scope										
TDR										
Probe										
Line qualification										
lv. Copper-Tests										
Copper Box										
Bridge										
Router										
IP-Tests				2						
own-/Upload				2 ²						
IPTV										
VoIP+MOS										
	165	155	152	42 plus	141	42 basic	125	3u NT	3u plus	3u basid
	A CONTRACTOR	1 - 1 - 2 - 2 - 2	Lesses of the second seco	a Hitild	A E Lise Harris	· ·				

🕖 inclusive

optional

minimum one DSL interface is part of the standard package

¹ Annex may vary depending on country

² On request

³ Online trace in combination with WINanalyse