

ARGUS®

THE FIELD PROVEN ARGUS xDSL AND COPPER TESTING SOLUTION

all-in-one device:

- ADSL modem
- VDSL2 modem
- SHDSL modem
- RC measurement
- Voltage measurement
- Spectrum analysis
- TDR

VDSL

ADSL

SHDSL *

ETH

ISDN

POTS

Cu

TDR

Data
101101011011

IP
TV

Vo
IP

MOS *

PESQ *

PC

USB



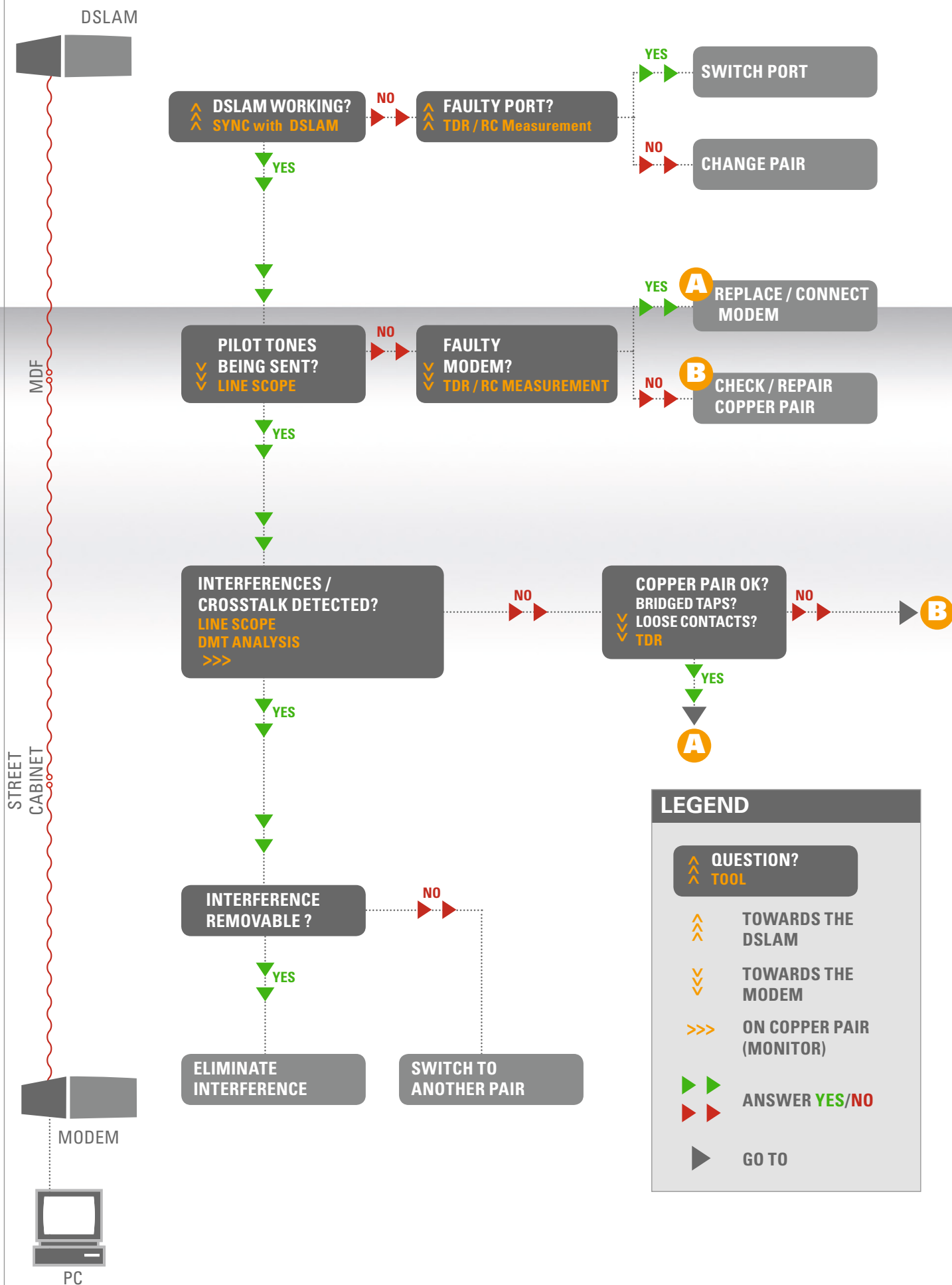
intec

GESELLSCHAFT FÜR
INFORMATIONSTECHNIK mbH

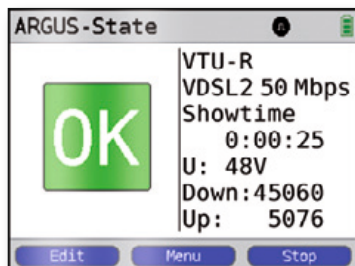
* available for ARGUS 145 plus only

Local loop troubleshooting with ARGUS!

REPORT: "NO SYNCHRONIZATION BETWEEN MODEM AND DSLAM!"



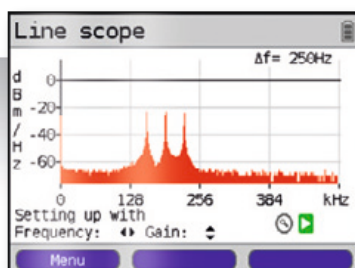
How to test the copper with ARGUS!



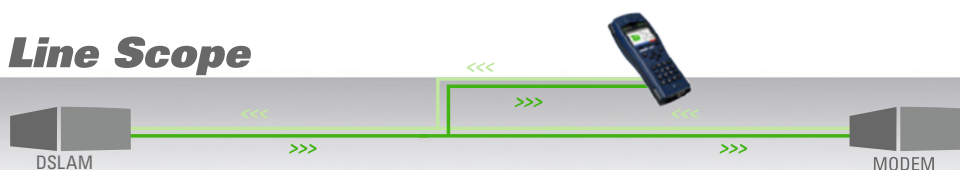
xDSL Synchronization



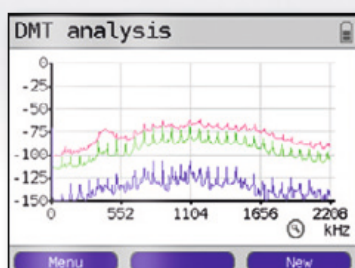
Synchronization with the DSLAM and OK/FAIL evaluation of the bit rate to check the rates configured for the customer.



Line Scope



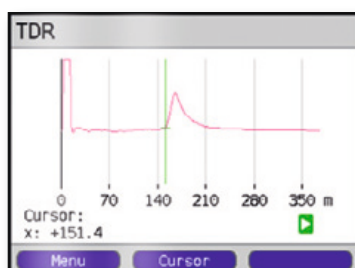
Real-time line monitor up to 30 MHz in frequency and time domain e. g. for detecting pilot tones, noise or temporary disturbers.



DMT Analysis



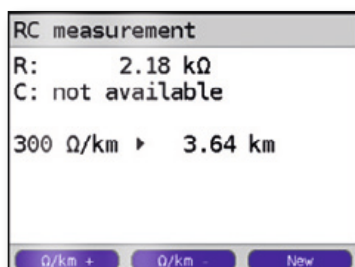
Power spectral density (PSD) measurement, detects active data signals and noise using the ARGUS Active Probe, up to 30 MHz for VDSL2 profile 30a.



TDR



Time-Domain Reflectometer for measuring loop length and locating wiring issues like bridged taps, loose contacts or shorts.



RC Measurement



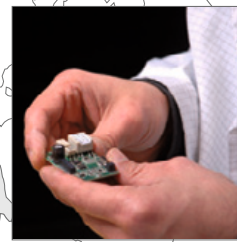
Use the RC measurement for locating opens or shorts including an estimation of the loop length.

In use throughout Europe

intec Gesellschaft für Informationstechnik mbH is developing products for the international telecommunications market for more than 20 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.



ARGUS® MADE IN GERMANY

intec

GESELLSCHAFT FÜR
INFORMATIONSTECHNIK mbH

Rahmedestr. 90
D-58507 Lüdenscheid

Tel: +49 (0) 23 51/90 70-0
Fax: +49 (0) 23 51/90 70-70

sales@argus.info
www.argus.info

ARGUS overview

	165	145 plus	142	42 plus	141	42 basic	125	3u NT	3u plus	3u basic
VDSL2	✓ ³	✓ ³	✓ ³		✓					
ADSL ¹	✓ ³	✓ ³	✓ ³	✓ ³	✓	✓	✓ ³			
SHDSL	✓	✓								
10/100 Base-T (Cu)	✓	✓	✓	✓	✓		✓			
1000 Base-T (Cu)	✓	✓ ²								
2 x SFP	✓									
BRI U	✓	✓	✓	✓			✓	✓	✓	✓
BRI S/T TE/LL	✓	✓	✓	✓			✓	✓	✓	✓
BRI S/T NT/mon.	✓	✓					✓	✓		
PRI/E1		✓					✓			
POTS	✓	✓	✓	✓			✓	✓	✓	✓
RC	✓	✓	✓	✓			✓	✓	✓	
DMT Analysis	✓	✓	✓		✓					
Line Scope	✓	✓	✓							
Probe	✓	✓	✓							
TDR	✓	✓	✓							
LQ/DELT			✓							
Bridge	✓	✓	✓	✓	✓	✓	✓			
Router	✓	✓	✓	✓	✓		✓			
IP Tests	✓	✓	✓	✓ ²	✓	✓ ²	✓			
Down/upload	✓	✓	✓	✓ ²	✓		✓			
IPTV/MDI	✓	✓	✓	✓ ²						
VoIP & MOS	✓	✓	✓	✓	✓		✓			
PESQ		✓					✓			
	165	145 plus	142	42 plus	141	42 basic	125	3u NT	3u plus	3u basic



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