ARGUS®

testing the telecom **network**

ARGUS® RF Current Clamp

The RF current clamp supports troubleshooting in cable bundles in conjunction with the ARGUS® Line Monitor. The current clamp can be connected quickly, easily and contact-free without impairing the integrity of the line. This makes it possible to detect and eliminate typical faults such as defective power supplies simply and rapidly. Tone tracking makes it particularly easy to localise interference sources: once an identified interference frequency is set, it can be tracked acoustically (faster/slower tone) as a function of the signal level. Every curve can be saved as a reference curve and subsequently inserted in the display to enable comparison with others. The current clamp does not interfere with active connections.

When one core is measured, the usable signal (e.g. xDSL) is displayed. When the entire cable is measured, i.e. both cores, the line monitor displays only the interference signal. Enhance your ARGUS® today with the ARGUS® RF Current Clamp (item no. 000265).

ARGUS® Line Scope

The ARGUS® Line Scope is a high-ohm, real-time monitor that can be used passively on active lines. It can e.g. be patched into an existing link between modem and DSLAM. The Line Scope enables spectrum analysis of xDSL and can visualise e.g. the handshake tone from customer modems. It is also ideal for detecting unwanted signals such as temporary interference sources (realtime operation) or anomalies in noise (compared to background noise). You can display the results in either the time or frequency range (FFT). The Line Scope is supplied as standard equipment with the instruments 166, 163, 156, 153 as well as 165, 162, 155, 152 and 151.
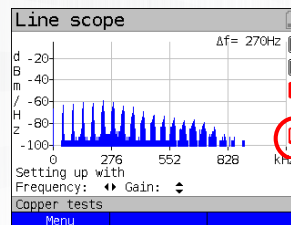
Practical examples:

G.fast
VDSL
ADSL
SHDSL
SFP
GigE
LTE·))
ISDN
POTS
Cu
TDR
Copper Box
Data 10110101011
IP TV
Vo/IP
PESQ
USB
WLAN·))
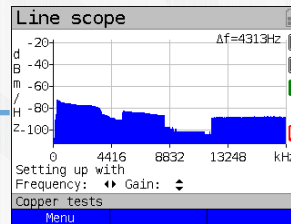
Useful signal of an active VDSL connection.

Typical example of a power-supply interference.

The 100 ohm input resistance must always be activated when using the Current Clamp. This is indicated by the red "Ri" in the display.

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