SQT®145
ARGUS®145
TraceSim® VoIP

SQT 145 - Speech Quality Test
using ARGUS®145 and TraceSim®VoIP
(Version: 03 / 2008)

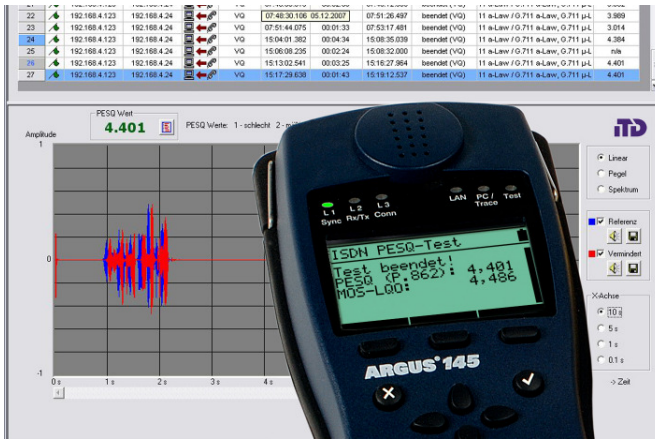
Directly testing speech quality in accordance with ITU-T Rec. P.862 (PESQ) on common telephony interfaces

- Ideal for installing and setting up telephone networks in the area of service provisioning, maintenance and quality assurance
- Performing an objective analysis of speech quality according to the "Perceptual Evaluation of Speech Quality" (PESQ) standard
- Implement TraceSim® server in the backbone network to easily receive a PESQ score by calling it with ARGUS®145
- Receive PESQ results ranging from 4.5 (execellent) to -0.5 (poor) by transceiving a standardized voice sample
- Combine highest efficiency with a maximum of flexibility using handheld tester for result receiving
- Press one button to check if Service Level Agreements are met

The following interfaces are supported:

- **POTS*** and **ISDN** BRI S/T* and U* interface
- **VoIP*** via **ADSL**2/2+
- **VoIP*** via **VDSL**2*, when using ARGUS®33*
- **VoIP*** via **Ethernet** (10/100 Base-T)
- Uses SIP to build up the VoIP connection
- Support of different audio codecs available
- Speech quality analysis in accordance with the E-Modell (ITU-T Rec. G.107) and PESQ (ITU-T Rec. P.862)
- Free firmware and software updates from www.argus.info and www.trafficlyser.com

SQT®145 - a joint project of ITD and intec - is a powerful solution for testing speech quality of common telephony interfaces. It can be used for daily installation and maintenance, as well as optimisation of telephone networks where transitions between circuit and packed switching are deteriorating the speech quality.

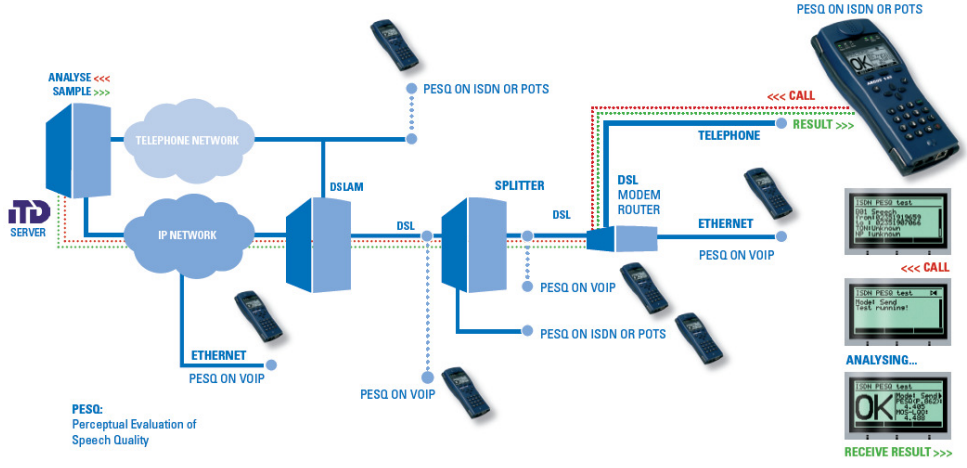


(Check the PESQ result generated by the sample comparison)

ARGUS®145 - a handheld tester especially designed for field usage - offers a broad range of interfaces that can be tested, such as POTS*, ISDN BRI S/T* and U* interfaces as well as Ethernet and xDSL (ADSL, SHDSL* and VDSL2* using ARGUS®33*). To further test the application layers, delivering VoIP or IPTV services, the ARGUS® can be easily upgraded to a versatile triple play tester.

TraceSim®VoIP is a software package for the PC to test VoIP networks. Connected to the Ethernet backbone, it provides numerous features, such as a list of active connections including comprehensive statistics and analysis of quality parameters (PESQ / MOS score, jitter, packet loss, delay,...), generation of VoIP traffic, alarms signalling for proactive maintenance.

PESQ on POTS, ISDN or xDSL lines providing VoIP



(Call, analyse, receive - three steps to get PESQ results using ARGUS®145)

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