

ARGUS® Selective Triple OPM + PON performance tests

for all GPON and XGS-PON interfaces

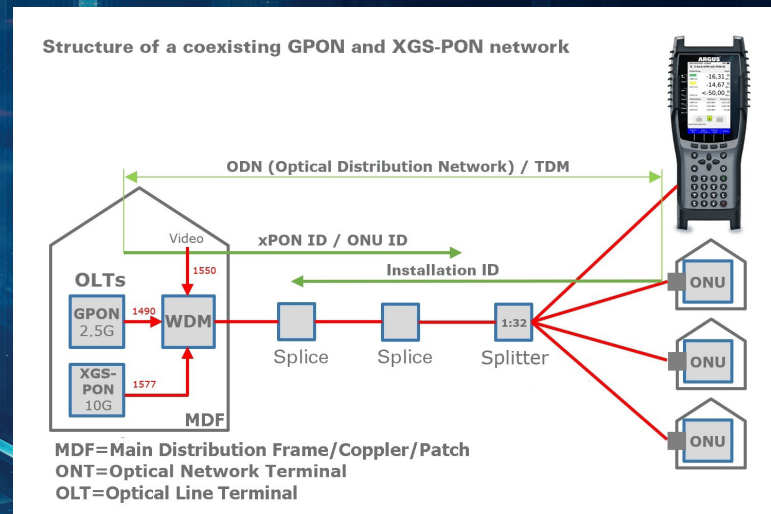
In addition to GPON, the new XGS-PON with up to 10 Gbit/s will soon be rolled out via the same fiber optic line. XGS-PON uses different optical wavelengths than GPON. The downstream on the wavelengths 1490 (GPON) and 1577 nm (XGS-PON) will be transmitted simultaneously via just one fiber. Individual wavelengths must therefore be measured selectively at such a connection, i.e. filtered.

The selective triple PON powermeter for the ARGUS® first filters the expected downstream wavelengths and measures these with high precision and unaffected by other light. Despite filtering, the ARGUS® can also determine other wavelengths on the line unfiltered, e.g. 1550 nm, without having to be reconnected. For this purpose, it offers the wavelength spectrum from 1270 to 1625 nm for measurement, which is common for standard broadband OPMs and also covers the upstream wavelengths 1310 (GPON) & 1270 nm (XGS-PON). In order to be able to correctly assign the data streams for each subscriber, the OLT on the exchange side provides each ONT with a PON ID. This ID and the transmission power of the OLT are read out without reconnection, and the insertion loss is also calculated directly. Three important values are therefore available: the filtered measurement of the optical power, the optical attenuation of the line and the xPON ID. In order to fully test a GPON or XGS-PON connection in the event of a fault or to transfer it to continuous operation after the rollout, it is necessary to set up the protocol, carry out the identification process, check the function of services such as VoIP or IPTV and simulate high-performance speed tests via FTP/HTTP up & download or iperf, just as with other accesses.** The ARGUS® performs a complete ONT simulation for this purpose. Prepare now for the next generation of ultra-fast fiber optic accesses and the upcoming freedom of choice for end devices - with an ARGUS® as a reliable reference device for testing.

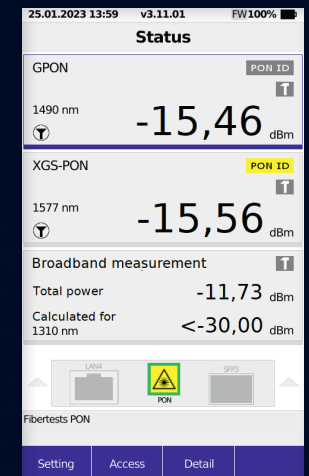
Specifications:

- Measuring range:
 - 1577 & 1490 nm (filtered): from -40 to +6 dBm (max. +18 dBm)
 - 1270, 1300, 1310, 1550, 1610, 1625 nm (broadband): from -50 to +13 dBm (max. +18 dBm)
- Accuracy: ±0,5 dB
- Calibration conditions: -20 dBm, 23°C ±5 K
- Connector: SC/APC, SFP+, LAN4 10 GBase-T
- Readout of PON ID and XGS-PON ID* via SC/APC, detection up to:
 - GPON ≥ -29 dBm / F200: ≥ -31 dBm
 - XGS-PON ≥ -27 dBm
- Full ONT simulation (GPON ONT or XGS-PON ONT) via additional GPON/XGS-PON SFP transceiver module
- IP/performance tests directly on GPON or XGS-PON and Ethernet with up to 10 Gbit/s**

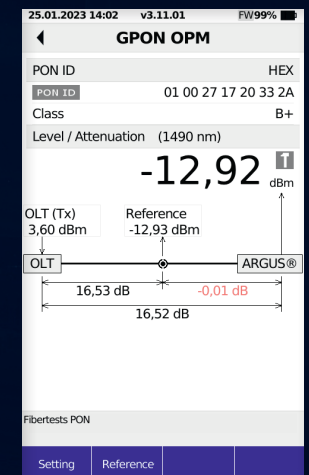
* The network must provide the ID for it. ** except ARGUS® F200



ARGUS®
testing the telecom network



Triple OPM with PON ID



GPON OPM

Available for:



intec

GESELLSCHAFT FÜR
INFORMATIONSTECHNIK mbH

Expand your ARGUS® now with the **xPON-OPM + PON ID for GPON/XGS-PON** (ARGUS® 300: art. no. 030100 / ARGUS® 260: art. no. 026200), the **GPON-ONT for xPON-OPM** incl. stick (ARGUS® 300: art. no. 030102 / ARGUS® 260: art. no. 026202 / ARGUS® F300: art. no. 030602 / ARGUS® F240: art. no. 024602) and the **XGS-PON-ONT for xPON-OPM** incl. stick (ARGUS® 300: art. no. 030103 / ARGUS® 260: art. no. 026203 / ARGUS® F300: art. no. 030603 / ARGUS® F240: art. no. 024603). A **GPON transceiver** (art. no. 020602) or an **XGS-PON transceiver** (art. no. 020603) is available for the ARGUS F200, requiring the optional **ONT simulation** (art. no. 020601).

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