

FASTER PON TESTING

CHALLENGE

SELCO needed a faster, more efficient PON power level tester to reduce operational delays and ease the strain on their service team.

SOLUTION

AFL's FlowScout® Downstream PON Power Meter (DPPM) plug-and-play simplicity and rapid startup time enable immediate power measurements with pass/fail analysis.

RESULTS

Provides significant boost to SELCO's field productivity, enabling quicker troubleshooting, easy adoption by new team members and increased efficiency across operations.

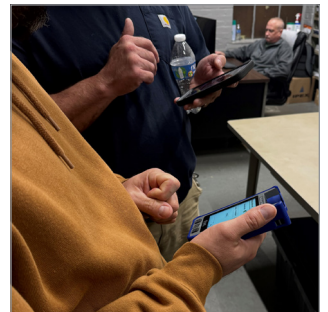
SOLUTION

AFL presented a demonstration of its FlowScout Downstream PON Power Meter (DPPM), a cutting-edge tool that provides telecom engineers and broadband operators with a fast and easy way to measure downstream PON power levels. Straightforward to use right out of the box, the FlowScout DPPM requires minimal training and can withstand outdoor field conditions. It features a user-friendly interface with an icon-driven design on a large color touchscreen, making it intuitive and easy to use for both novice and professional technicians.



The DPPM stores up to 4,000 test results internally and allows for data download via USB.

The FlowScout DPPM's plug-and-play simplicity and rapid startup time are ideal for SELCO's needs. After cleaning and inspecting the connections, technicians can plug the fiber into the FlowScout DPPM and get immediate power measurements with pass/fail analysis based on ITU or user-defined standards. Unlike SELCO's older equipment, which required significant startup times, the FlowScout DPPM was ready for use within seconds, cutting down on valuable testing time.



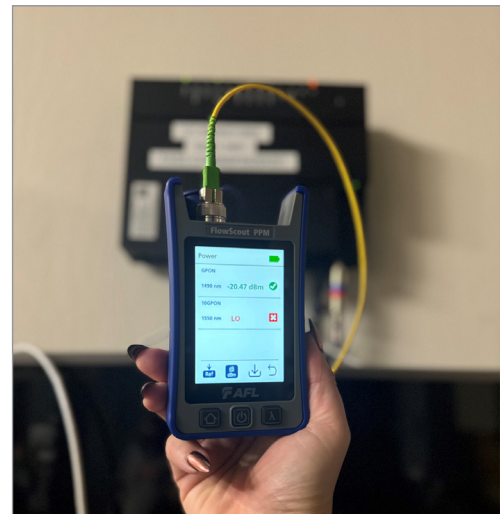
CHALLENGE

Shrewsbury Electric and Cable Operations (SELCO), a community-owned utility in Massachusetts, provides electric and broadband services to residents and businesses, including high-speed 10 Gbps Internet and streaming video. In 2020, SELCO began a fiber-to-the-home project to bring fiber Internet service to every home and business in the Town of Shrewsbury.

This superior technology will provide their customers with the bandwidth and speed needed to support learning and working from home as well as video streaming, gaming, smart home devices and so much more.

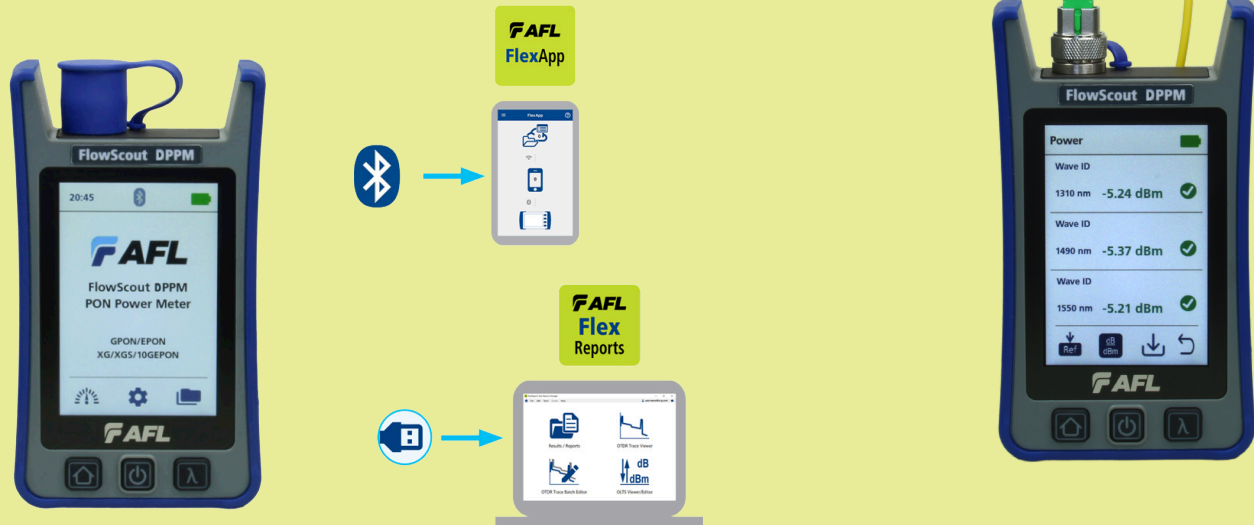
To provide these new services, SELCO needed a power-level testing solution that would allow technicians to work more efficiently when testing their installed PON networks.

Testing time had become a significant bottleneck to their operations, with traditional PON power meters taking twice as long to measure cable power as it took to install the cables. Short-staffed and pressed for time, SELCO sought a reliable tool that was fast, easy to use, and designed to handle rigorous fieldwork.



AFL COMPONENTS USED:

- FlowScout Downstream PON Power Meter
- Test Results Transfer to FlexReports PC Software via USB for detailed reports



► RESULTS

By adopting the FlowScout Downstream PON Power Meter, SELCO will have a significant boost in field productivity. The meter's fast, automated pass/fail analysis helps technicians save considerable time and focus on troubleshooting connectivity issues. With its budget friendly price, SELCO will be able to outfit more technicians with a power meter, further enhancing overall productivity. Its intuitive operation is designed to reduce the learning curve, enabling new team members to start testing confidently with minimal training. The FlowScout DPPM will become an essential tool for SELCO's field technicians, increasing their productivity while providing reliable, detailed test results that support their high-quality network standards.

"We are already familiar with and use AFL's FlexScan® OTDRs and FOCIS Flex inspection scopes, which have proven reliable and durable in the field for SELCO technicians. AFL's FlowScout® Downstream PON Power Meter (DPPM) is ready for use within seconds, cutting down on valuable testing time."

– Gordon Siebenhaar, Supervisor of Cable and Fiber Operations, SELCO

► ABOUT AFL

Founded in 1984, AFL is an international manufacturer providing end-to-end solutions to the energy, service provider, enterprise, hyperscale and industrial markets. The company's products are in use in over 130 countries and include fiber optic cable and hardware, transmission and substation accessories, outside plant equipment, connectivity, test and inspection equipment, fusion splicers and training. AFL also offers a wide variety of services supporting data center, enterprise, wireless and outside plant applications. For more information, visit www.AFLglobal.com.