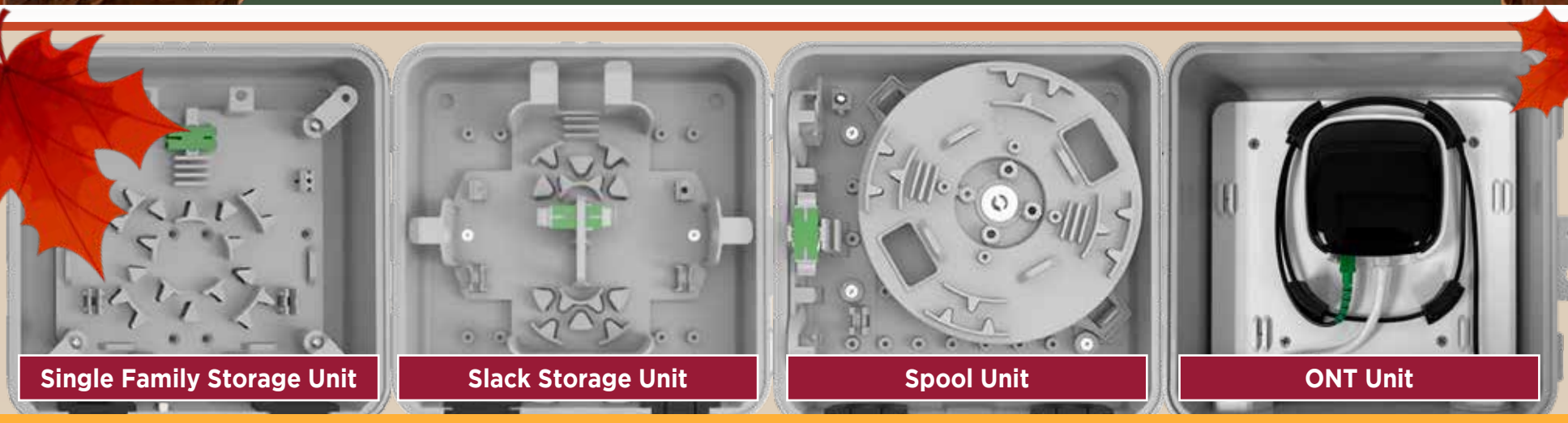
SUMMER/FALL 2026 EDITION 227

fis COMMUNICATOR

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One NID. Endless Applications. Proudly Made in the USA.

By: Anthony Russo, Vice President of Broadband Solutions

Manufactured in Oriskany, New York, the FIS NID family offers flexible solutions for Fiber-to-the-Home (FTTH) and FTTx installations. **Four configurations—Storage, Slack Storage, Spool, and ONT—support fiber management, cable slack storage, spooled fiber deployment, and ONT protection.** Built for indoor and outdoor use, these rugged enclosures simplify installation and protect critical fiber connections.

FIS Single Family Storage Unit – Reliable Fiber Management
Designed for connectorized or spliced fiber drops, this unit features an integrated management plate for slack storage, strength member tie-downs, and cable clamping. It accommodates 900um to 4.8mm fiber cables and includes an SC/APC simplex adapter and two-position splice sleeve. Choose a four-port sealing grommet with strain relief or a grommet for 3/4-inch and 1-inch conduit. A padlock provision and external toner/tracer wire post support secure access and maintenance.

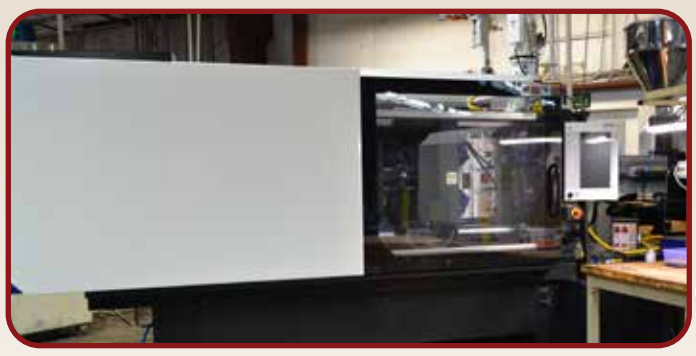
FIS Single Family Slack Storage Unit – Expanded Cable Storage
For installations requiring additional slack, this unit stores up to 50 feet of 4.8mm fiber cable. Separate storage areas for buffer tube and 900um or 250um fiber keep cables organized. It supports connectorized or spliced drops, includes an SC/APC adapter, accommodates up to six SC/APC adapters and six splice sleeves, and offers the same flexible grommet options, padlock provision, and external tone/tracer wire post.

FIS Single Family Spool Unit – Simplified FTTH Installation
Designed for preterminated spooled Indoor/Outdoor fiber cable (sold separately), this unit supports FTTH deployments with a dedicated area for feeder fiber. It accommodates pre-terminated SC/APC connectors or cable prepared for splicing inside the NID. An SC/APC adapter is included. Cable entry options include a four-port sealing grommet with strain relief or a grommet for 3/4-inch and 1-inch conduit. A padlock provision and external tone/tracer wire post support secure access and maintenance.

FIS Single Family ONT Unit – Flexible ONT Protection
Designed to house the Ubiquiti WaveFiber ONU, Fiber Nano, and Fiber Loco, this unit accommodates flat and round drop cables. Its IP65 and IK10 ratings provide protection against dust, water, and mechanical impact. Features include ruggedized flat drop cable retention, conduit coupler or U-shaped rubber slit grommet entry options, a third-port knockout for a hardened connector coupler, a 3/8-inch hex head bolt, and an optional ground screw. Built-in security features help protect network connections.







View Spec Sheet

When flexibility, reliability, and quality matter, FIS NIDs deliver. With purpose-built configurations, you can choose the right solution for your FTTH application while benefiting from rugged construction, versatile cable management, and dependable performance. FIS offers competitive pricing while keeping your investment in American manufacturing. Buying from a U.S. manufacturer helps keep money in the U.S. economy, supporting the development of new products rather than adding costs from tariffs, international freight, and fuel surcharges.

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FIS Visual Inspection Scope, Does not feature IEC Analysis

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FIS Rugged Visual Fault Locator

with 2.5 Universal Adapter (SM and MM), Rugged Aluminum Housing, 40hr Battery Life, 650nm, 5km, 7.1"x0.86", Blue

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FIS Duplex Visual Fault Locator

Visual Fault Locator, LC Duplex, SM/MM, 3"(w) x 4.25"(h)

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$120.00



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FIS Company and Product News Bulletin Board

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Fiber Instrument Sales (FIS) and AFL are strengthening their partnership to deliver exceptional equipment availability, technical support, and customer service across the USA! With over 40 years of industry experience, FIS stocks fusion splicers, cleavers, tools, and test equipment available for same-day shipping. Our team also provides technical support for AFL products and offers complementary connectivity solutions, including FAST and FUSE fiber optic connectors. Whether you prefer working directly with our knowledgeable sales team or ordering through our convenient online store, FIS is ready to help keep your projects moving forward!

Steve Casaletta
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scasaletta@fissales.com / 315.737.2166

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FIS FIS NID - Fiber Wall Plate



The FIS Fiber Wall Plate delivers a compact, feature-rich solution for fiber-to-the-home (FTTH) installations in homes, offices, and apartments. Designed for convenience and reliable performance, it features a pivoting adapter holder for easy inspection and cleaning without disconnecting the feeder fiber. Integrated bend-radius control protects fiber routing, while built-in storage accommodates up to 48 inches of slack. Choose from 1- or 2-port configurations, with optional SC/APC shuttered adapters for added laser safety. Flexible cable entry, simple wall mounting, visual connection indication, and a snap-on cover make installation clean, easy, and efficient.

Anthony Russo
VP of Broadband Solutions and Poduct Line Management, Zeus FTTx Solutions
arusso@fissales.com / 315.737.2173



BABA/BEAD Compliant

FIS SM/MM OV-350 Handheld OTDR



The OV-350 OTDR packs advanced testing capabilities into one of the industry's most compact, feature-rich designs. Built for field technicians and network engineers, it combines a bright, high-resolution touchscreen with intuitive tools for project management, file storage, Fib-R-Map™ event analysis, and configurable pass/fail thresholds. An onboard Express Help system simplifies setup and reduces training time.With Fault Finder, Construction, and Expert modes, the OV-350 adapts to every skill level and testing application. Standard pass/fail software, combined with the optional VIS300 inspection probe, enables connector end-face certification to IEC 61300-3-35 criteria.

Robert Licari
FIS Product Line Manager, Test Equipment
rlicari@fissales.com / 315.737.2192



FIS Titan Wall Mount Enclosure



Meet the FIS Titan Wall Mount Enclosure! Designed for demanding ISP and OSP environments, the Titan Box combines durable protection with the flexibility to build a setup that works for you. Its lockable, NEMA 4-rated design features a versatile back panel with 234 mounting holes and space for up to 12 LGX adapter panels, supporting up to 144 fibers (288 LC). With built-in cable managers, a splice tray riser, and a cable securement bracket, it helps keep installations organized and manageable. Flexible, reliable, and ready to work. (LGX adapter plates sold separately.)

Steve Ermacor
FIS Product Line Manager, Fiber Interconnects
sermacor@fissales.com / 315.737.2123



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Product Spotlight

FIS NID Box, Cable Retention and Management



Z1NDCR-UU

The FIS NID Box provides reliable protection for fiber connections in indoor and outdoor environments. Its IP65-rated design helps keep dust and water out, include SC/APC adapter for an additional cost. Support for up to 12 fiber splices and an optional 12-port adapter plate is available. It offers room for future network growth. Built-in cable management, secure entry grommets, and a grounding screw help keep cables organized, connections protected, and installations safe.

For more information call to speak with a sales representative

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Ask Bruno



Vice President of Technical Services

I am hearing about Laser drift in DWDM and CWDM systems. Can you tell me what it is and how I can test and eliminate it?

Let us first define what Laser drift is. LASER drift is when the optical wavelength of a laser shifts slightly over time. Primary causes are temperature fluctuations, mechanical vibrations, power supply fluctuations, quality of the laser and component aging. Heat and cold can cause components to expand and contract causing optical cavities to change their properties. This instability causes signal degradation, measurement errors, or equipment damage in telecommunications. When drift occurs in WDM systems the lasers (channels) can drift into each other causing channels to fail.

Testing laser drift can be achieved by using a Channel Checker also known as an Optical Spectrum Analyzer (OSA). Essentially an OSA is a multiple wavelength power meter that measures the laser's wavelength, Optical Power, Optical Signal-to-Noise Ratio (OSNR) and Crosstalk from stray laser modes and unwanted noise.

Laser drift can be managed by stabilizing the environment's temperature and vibrations. If a laser drifts or has a low power level it may need to be replaced. As always, clean connectors and equipment will also help stabilize lasers and equipment. In Dense Wavelength Division Multiplexing (DWDM) systems the lasers are spaced very close (typically 0.8nm and 0.4nm) and drift can become a major issue. Fiber Instrument Sales sells a full line of Channel Checkers (OSAs), for CWDM (8, 10 or 18 channels) and DWDM (96 channels).



FIS CWDM Channel Analyzer



FIS DWDM Channel Analyzer

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