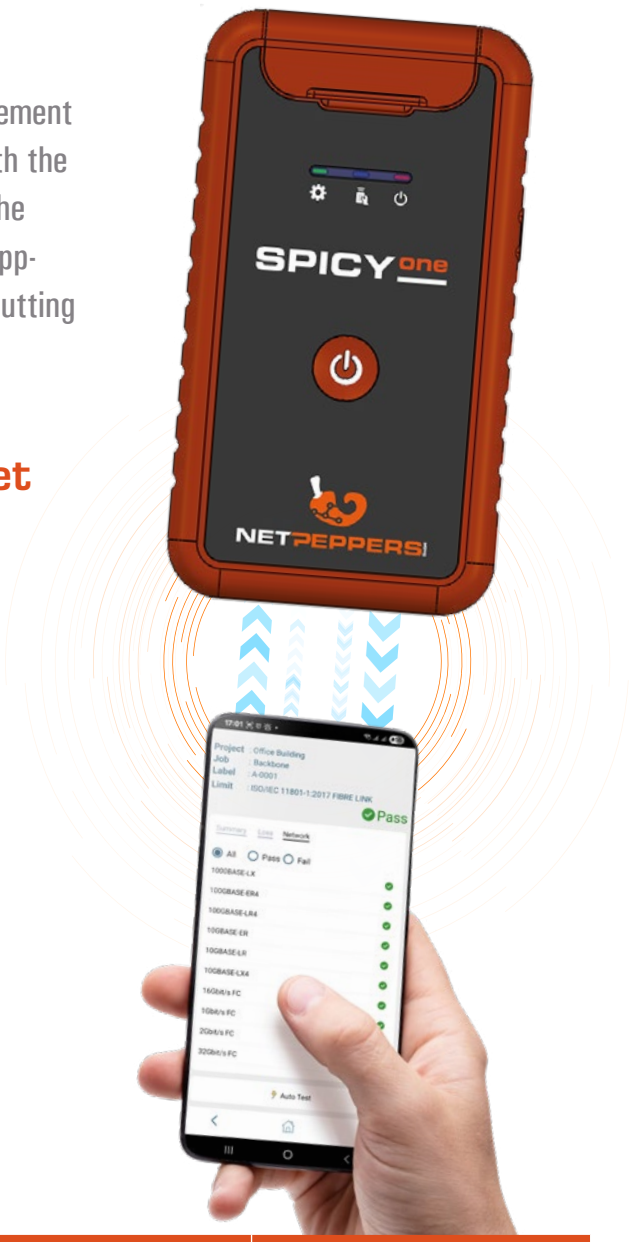
TIER 1 Fiber Certifier

Spicy ONE

The Spicy ONE sets new standards in fiber optic measurement technology. Certify your fiber optic cabling compliant with the ISO/IEC, DIN/EN and TIA as well as IEEE standards. As the first certifier in the world, the Spicy ONE is completely app-controlled, which enables user-friendly operation at the cutting edge of technology.



Most modern system on the market

Controlled via smartphone or tablet using the NP-Connect app.

Highest test class

The standard-compliant attenuation measurement in accordance with national and international industry standards guarantees legally compliant acceptance measurements.

Everything at a glance

With each measurement, the measured parameters are recorded and immediately compared with the stored limit value.

WATCH THE VIDEO NOW:
SPICY ONE explained in 60 seconds!



Configurations	Spicy ONE QUAD	Spicy ONE SM	Spicy ONE MM
Application	Multimode & Singlemode	Singlemode	Multimode
Supported Wavelengths	850, 1300, 1310, 1550 nm	1310, 1550 nm	850, 1300 nm
Scope of Delivery	2 x Spicy ONE MM devices 2 x Spicy ONE SM devices 4 x TX adapter SC 4 x RX adapters LC, SC, FC, ST 2 x I-Boxx72 Sortimo transport case with foam insert 1 x Quick Start Guide	2 x Spicy ONE SM devices 2 x TX adapter SC 2 x RX adapters LC, SC, FC, ST 1 x I-Boxx72 Sortimo transport case with foam insert 1 x Quick Start Guide	2 x Spicy ONE MM devices 2 x TX adapter SC 2 x RX adapters LC, SC, FC, ST 1 x I-Boxx72 Sortimo transport case with foam insert 1 x Quick Start Guide
Order no.	NP-FIBER-SPI1QUADKIT	NP-FIBER-SPI1SMKIT	NP-FIBER-SPI1MMKIT

Features

MODERN APP CONTROL | EASY TO USE | MEASUREMENT OF ALL COMMON SINGLE-CONNECTOR FIBER OPTIC SYSTEMS | HIGHEST ACCURACY | TIER 1 CERTIFICATION

NETPEPPERS FOR BETTER NETWORKS
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TIER 1 Fiber Certifier

Spicy ONE

The world's first wireless certifier has the latest fiber optic measurement technology. Compact, inexpensive and equipped with the extensive functions of the NP-Connect app, it is the first choice for fiber optic installers in campus and building cabling.

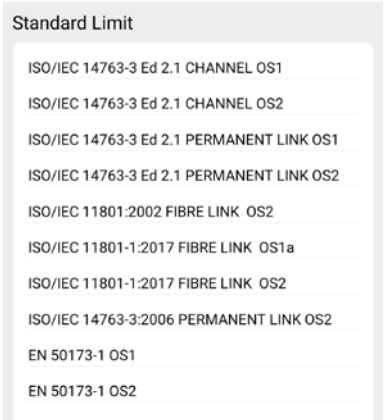
Measure singlemode such as multimode systems with all common connectors such as SC, LC, FC, ST in UPC and APC configuration.



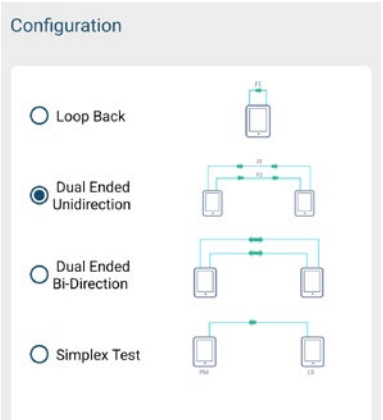
Determine the fiber length and signal delay of your transmission channel in simplex or duplex mode.



Record the attenuation and polarity of a transmission link according to the standards ISO/IEC 11801/14763-3, DIN/EN 50173-1, TIA 568.3 as well as the maximum possible network speeds according to IEEE 8802-3.



The Spicy ONE determines all parameters in the AutoTest on up to two fibers simultaneously in less than 6 seconds (Loopback) and 7 seconds (Dual ended, two channels). The polarity is checked automatically.



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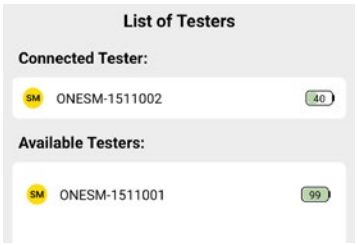
The NP-Connect App

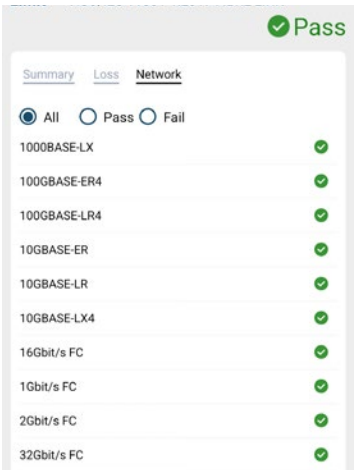
The NP-Connect app is available free of charge for Android and iOS. The NP-Connect app is the control center of the measurement technician and the most modern solution on the market.

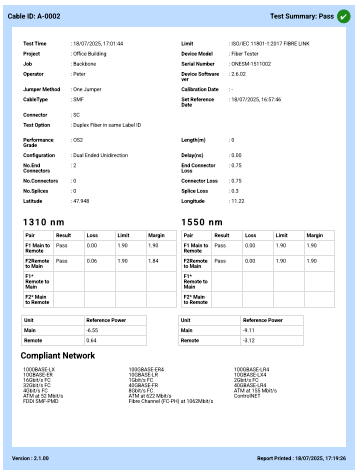
Device control „Over the Air“

The handheld devices can be connected to a smartphone or tablet via Bluetooth. Updates are automatically applied, test settings are transferred, measurements are taken in real time and results are transmitted directly to the mobile device.









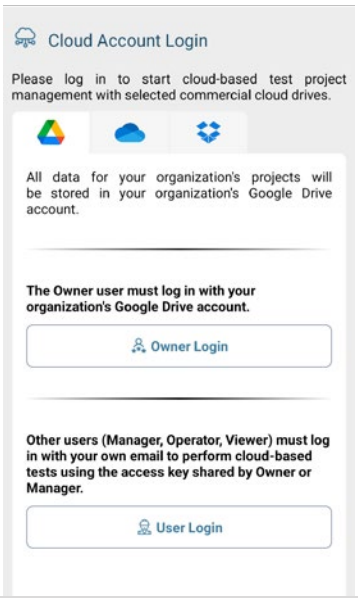
Generate PDF reports and print them directly from the app.

Save and share measurement results

Managing and sharing your results has never been easier. Choose the right one from various cloud providers such as Google Drive, Dropbox or MS OneDrive. The results are synchronized directly to the cloud. This makes test data loss impossible. Share the measurement data or PDF reports directly via email, messenger services, etc. There are no limits to connectivity!

User management and assignment of rights

The sophisticated, cloud-based system of the NP-Connect app makes it possible to assign rights to users such as project managers, installers or clients. This allows the project manager to keep an eye on everything and define the measurement settings. The installer takes care of these and carries out the measurements.



NP CONNECT

Try the NP-Connect app!

GET IT ON Google Play

Download on the App Store

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Technical Data	Spicy ONE	
Variant	Multimode	Singlemode
Optical Power Meter		
Attenuation Dynamic Range (Dual ended)	10 dB	15 dB
Dynamic Range	850 nm: 0 to -10 dBm, 300 nm: 0 to -30 dBm	1310 nm: 0 to -30 dBm, 1550 nm: 0 to -30 dBm
Receive Interface Connectors	Interchangeable FC, SC, ST and LC Adapters	
Measurement Configurations	Loopback, Dual Ended Uni-Directional, Dual Ended Bi-Directional, Simplex Fiber	
AutoTest Speed	Loopback Mode: 6 seconds, Dual Ended Mode: 7 seconds	
Insertion Loss Resolution	0.01 dB	
Insertion Loss Accuracy	≤ 0,2 dB	
Measurement Repeatability	≤ 0,05 dB	
Maximum Length Measurement	2 km	20 km
Length Mesaurement Accuracy	± (1 m + 1% of length)	
Calibration Interval	1 year	
Supported connector type	UPC (flat) and APC (angled)	
Optical Light Source		
Source Type	LED, EF-compliant	Laser
Wavelengths	850 ± 20, 1300 ± 20 nm	1310 ± 20, 1550 ± 20 nm
RMS Spectral Width Range	35 nm	5 nm
Output Power	850 nm: 10 µW to 20 µW 1300 nm: 10 µW to 20 µW	1310 nm: < 1mW 1550 nm: < 1mW
Stability	± 0.02dB/15min, ± 0.05dB/2hr	
Transmit Interface Connectors	Interchangeable SC adapter	
Supported connector type	UPC (flat)	
Laser Safety	Class I M	
Visual Fault Locator (VFL)		
VFL Light Source	650 nm laser	
Power Output	< 1 mW	
Output Modes	1.5 Hz Pulsed Mode	
Connector Adapter	2,5 mm universal (ST/FC/SC/E2000), 1,25 mm (LC) via adapter patchcord	
Laser Safety	Class II	
Environmental Specifications		
Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)	
Storage Temperature	-30 °C to 60 °C (-22 °F to + 140 °F)	
Operating relative humidity (without condensation)	0 % to 90 % RH, 0 °C to 35 °C (32 °F to 95 °F) 0 % to 70 % RH, 35 °C to 45 °C (95 °F to 113 °F)	
Vibration resistance	Random, 2g, 5-500 Hz	
Shock resistance	2m drop test	
Safety	IEC 61010-1 3rd Edition	
Operating altitude	4,000 m (13,123 ft)	
EMC	EN 61326-1	
Dimesions (L x W x H)	177 x 92 x 42 mm	
Weight	350 g	
Battery	Li-Ion, 3,7V / 2600 mAh	
Battery runtime	40 Hrs typical	
Charging Time (to 100%)	2 Hours	
Charging Port	5V/ 1A, USB-C	
Android Application	Android 11 or higher	
iOS Application	iOS 13 or higher	
Connectivity	Bluetooth v. 4.2 or higher	

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