

## Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

### Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The SPZS-680 kit is a complete solution allowing to prepare practically every commonly used type of optical fiber to perform both mechanical and classical splice. In addition, the kit includes an optical power meter and a visual fault locator that allow to locate the place of fiber damage, as well as determine the quality of the splice.

**WARNING!** Avoid directing the laser beam towards the skin and eyes when using this product.



Optical power meter:

Sensor type:

InGaAs



# User Manual

Code: SPZS-680

THE TOOL KIT TO TERMINATE OPTICAL FIBER CONNECTORS **SPZS-680**

Optical wavelength:	850 nm / 1300 nm / 1310 nm / 1490 nm / 1550 nm / 1625 nm
Power measurement range:	6 ... -70 dBm
Accuracy:	± 5 %
Measuring accuracy:	0.01 dBm
Connector type:	2.5mm universal connector with SC, FC adapters
Main features:	<ul style="list-style-type: none"><li>• High durability tool, made from high quality materials</li><li>• Automatic calibration after turned on</li><li>• Wide measuring range</li><li>• High measurement accuracy</li><li>• Small dimensions</li><li>• The set includes a practical case</li></ul>
Power supply:	2 x 1.5 V - Battery type LR6 (AA) (not included)
Dimensions:	40 x 85 x 187 mm
Laser fiber tester:	
Optical wavelength:	650 nm
Optical output power:	> 1 mW
Operation range:	max. 2 km
Application:	Visual localization of the fiber damage
Connector type:	Universal
Material:	Aluminum - powder painted
Main features:	<ul style="list-style-type: none"><li>• The universal connector allows to connect all optical connectors of 2.5 mm standard, eg SC/FC/ST</li><li>• High durability tool, made from high quality materials</li><li>• Universal connector allows to test any fiber optic installation</li><li>• The device works with both single-mode and multi-mode fibers</li><li>• Small dimensions</li><li>• The set includes a practical case</li></ul>
Power supply:	2 x 1.5 V - Battery type LR6 (AA) (not included)
Dimensions:	Ø 27 x 176 mm
In the kit:	<ul style="list-style-type: none"><li>• Optical power meter,</li><li>• Laser fiber tester,</li><li>• Stripper for flat fiber optic cables,</li><li>• Universal stripper for fibers,</li><li>• Fiber optic cutter,</li><li>• Dry dust-free wipe paper,</li><li>• Container for isopropyl alcohol with a practical dispenser,</li><li>• A handy case that allows safe and convenient transport of the kit</li></ul>
Main features:	<ul style="list-style-type: none"><li>• Possibility to prepare all commonly used types of fibers for the splicing,</li><li>• The kit is a complete solution and allows to start working immediately after unpacking</li></ul>
Weight:	1.74 kg (total)
Dimensions:	330 x 275 x 85 mm (case dimensions)
Guarantee:	2 years

In the kit:



Everything is contained in a handy case:





## PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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