ASSMANN

Splice Device T-71

✔ Compact, light weight, robust

✔ Touch screen with video guides

✔ Safety class IP 52

✔ Fully autom. fiber type identification

Abstract

Splice Device T-71, IP 52, compact design, fully automatic fiber type identification

Features

- Compact, light weight, robust
- User friendly due to touch screen with integrated video guides
- Only 7 seconds splicing time (SMF)
- Safety class IP 52, wind protection up to 15 m/s
- Fully automatic fiber type identification
- Internal storage of 10.000 test results with statistic analysis
- Automatic compensation of environmental influences due to ARC- test and –compensation
- Variable fiber handling concept (coating clamps or fiber holder, Lynx compatible)
- 400 splicing processes with one battery charge
- Operation via car voltage possible
- No mirrors in the wind protection: Thus reduced sensitivity of temperature changes
- Dimensions (HxWxD): 130x120x154 mm
- Weight: 2.1 kg (incl. Battery)

Product Overview

The T-71 is a fully automatic splicing device with core-to-core positioning. With the approved PAS system (Profile Alignment System) it can work with MMF, SMF, BIF fibers as well as with special fibers.

The T-71 has a flexible fiber handling concept and allows an usage of coating clamps or fiber holders.

This also makes the manufacturing of Lynx fiber optic plugs possible. It provides safety class IP 52 and supports splicing works with up to 15 m/s wind speed and is designed for rough field operation. The patented Sumitomo ARC test makes the compensation of quality influencing environmental conditions as well as the high quality splicing, even of varyingly strong different fiber types (e.g. old to new cable), possible.

When in fully automatical mode the device identificates the inserted fiber type safely and chooses the right splicing program. The battery capacity of ca. 400 splices makes a flexible and network independently working progress possible.

Mechanical Properties

Mechanical Properties	
Fiber types	SM (ITU-T G652), MM (G651), DS (G653), PS (G654, NZ (G655&G656), BIF (G657), EDF, CSF and others
Digital representation	Up to 700x zoom function
Typical attenuation values*	SM 0.02 dB, MM 0.01 dB, DS 0.04 dB, NZ 0.04 dB
Alignment	Core, auto IAS for non concentric SMF, diameter/sheath
Fiber dimensions	80-150 µm coat glass
Coating dimensions	100-1000 µm
Separating lengths	Primary coating: 5 mm, tight secondary coating: 10 mm, loose-tube secondary coating: 20 mm
Programs	Splice programs: Up to 300, editable; Oven programs: Up to 100, editable
Shrink ovens	Two individual controllable shrink ovens with auto start function
Splice storage (internal, SD)	10.000 splice results internal, with SD card only limited by the size of the SD card
Image storage (internal, SD)	64 images internal, with SD card only limited by the size of the SD card
Statistic report	Variation of angle of refraction and attenuation values for splice storage
Work conditions	-10 °C up to +50 °C, <95% humidity, 6000 m, 15 m/s wind
Storage conditions	-40 °C up to +70 °C, <95% humidity
Interfaces	Data: USB2.0 mini; Voltage output: 12V DC
Storage medium	SD card (up to 16 GB)
Mains connection	100-240V AC, 50/60 Hz, 1,1A over ADC-1430, 12V car adapter (SU-PC-V11)
Battery	BU-11 4,6Ah, Li-Ion: > 400 splice operations (without oven)
Dimensions (HxWxD)*	130x120x154 mm, 4,1" LCD
Weight	2.1 kg (with battery)
Safety class***	IP 52
Attenuation splices	Programmable from 0 to 15 dB, in 0.1 dB steps

* Splice conditions attenuation values determines with separated and again joined together spliced identical Sumitomo fibers

** Dimensions measured without rubber safety elements

*** Safety class with closed wind protection

Product Number Information

A-FO-SD-T71   Splice Device T-71, 7 seconds splicing time (SMF), safety class IP 52, with touchscreen