STUDY CASE FOR AN FTTH FIBER OPTIC NETWORK

Carrying case with ergonomic handle.
Dimensions: 534 x 374 x 190mm.
Powered by 230V-2P+E power cord.

Quickly and easily discover the components of an FTTH fiber optic network with this simple and intuitive case. This compact educational solution is ideal for introducing your students to the network quickly and clearly!

This model consists of two parts:
- The upper side simulates several cases of outages and high signal attenuation through an optical fiber. They are connected to connectors to enable continuity tests and attenuation measurements.
- The lower side simulates the deployment of an FTTH network and is specially designed for practicing fiber optic coiling and splicing.

ref. VAL-FIB

TEACHING RESSOURCES STUDENTS / TEACHER	DELIVERED WIRED AND SET

EDUCATIONAL OBJECTIVES

- ***Discover the FTTH network***
- ***Discover the components of an optical link***
- ***Understand the role of each piece of equipment***
- ***Handle the different components of an FTTH network***
- ***Use a cleaver and splicer (optional equipment)***
- ***Use a fiber optic laser pen (optional equipment)***
- ***Take measurements with a photometer (optional equipment)***

Practical work provided

- Multiple-choice questions (MCQs) on the courses
- Identification of the various components
- Routing of "subscriber" fibers to the PTOs
- Performing qualitative tests on the installation
- Measurement on the fiber optic network using a power meter and a light source on the optical fiber (optional equipment)

Case Contents

Top Side

- 1 1:4 coupler
- 1 -8dB attenuator
- 1 -15dB attenuator
- 1 stressed fiber, not meeting the minimum bend radius
- 1 fiber with a damaged protective sheath

Bottom Side

- 1 BPO optical protection box with a coiling cassette
- 3 PTO termination boxes equipped with 4 SC-APC ports
- 4 SC-APC ports, directly connected to the BPO, simulating the optical link from the NRO

Accessories

- 8 colored pigtails
- 250m of 4FO "subscriber" fiber

Giving you the autonomy to carry out soldering labs for several years.