D.S.INC.
A Fibre Optic Company

SWITCHED OPTICAL VARIABLE ATTENUATOR

FEATURES

- ***Accurate***
- ***Low Insertion Loss, Low Back Reflection***
- ***Small and Portable.***
- ***a Rugged Case E/w High Quality Connectors.***
- ***Large Control Knob.***
- ***Bypass Attenuation Switching.***

DESCRIPTION:

The **SOVA** - Switched Optical Variable Attenuator from Dafocom Solutions Inc., is based on micro-bending technology. Its **accuracy**, **low insertion loss**, **low back reflection**, **small footprint** and **rugged case** make the **SOVA** an ideal instrument to use in the manufacturing, lab or field environment.

The large size adjustment knob of the **SOVA** provides a **gradual, accurate** and **easy control** of the **attenuation** in increments of 0.1 dB needed to qualify the transmission characteristics of Fibre Optic Systems in production testing or during system installation.

The **switching** feature, which allows the attenuation to be inserted in or out of the system under test, is controlled by either a **TTL** signal or by the optional **BYPASS switch**.

The **SOVA** is equipped with FC-UPC connectors on the input and output, however the **SOVA** may be ordered with other combinations of connectors and polishing (UPC / APC).

APPLICATIONS:

In manufacturing, the **SOVA** is an ideal solution to **quick** and **effective testing** of the dynamic range of F.O. transmitters and receivers. The attenuation can be preset to a specific value and **quickly** inserted or removed from the test path by applying a **TTL** signal or using the optional **BYPASS** switch.

During Fibre Optic system installations, the **SOVA** is used by installation crews to accurately measure the optical operating margin of newly installed systems confirming their operational reliability, or during maintenance routine of existing systems, to measure their performance integrity.

In the Lab, the **SOVA** is the ideal unit to be used when accurate and stable optical attenuation are the requirements.

Application notes are available by visiting our web site at www.dafocom.com .