



CSS1-SM Contractor Series Dual Laser Light Source

The Noyes CSS1-SM from AFL Telecommunications is a palm-sized, cost-effective dual LASER source designed for performing insertion loss measurements on single-mode fiber optic links when used with an optical power meter. When paired with an optical fiber identifier, the CSS1-SM may be used for fiber identification. The LASER output is stabilized to ensure accurate test results per current TIA/EIA requirements. Weighing only 0.4 lb, this light source is ideal for field use.

The CSS1-SM features 1310 nm and 1550 nm LASER output from a single output port and is easy to operate. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone. The output port is equipped with UCI based removable adapters to allow the output connectors to be inspected and cleaned. A large LCD display with backlight shows emitted wavelengths [nm], tone frequency [Hz], and indicates a low battery condition. The CSS1-SM offers long battery life from common AA alkaline batteries.

The CSS1-SM is fully N.I.S.T. traceable.

Features

- Palm-sized, rugged, lightweight
- Dual wavelengths from a single port
- CW and modulated Tone
- 270, 330, 1000, 2000 Hz Tone
- Large LCD with backlight
- Automatic power-off function
- Battery gauge
- Long battery life with AA alkaline
- Cost-effective, easy to use
- N.I.S.T traceable

Applications

- Certify SM links per TIA/EIA standards
- Fiber identification prior to splicing

Specifications

OPTICAL	CSS1-SM (SINGLE PORT)
Output wavelength	1310 nm $\pm$ 20 nm, 1550 nm $\pm$ 20 nm
Spectral width (max)	5 nm
Output power	$\geq$ 0.0 dBm into 9/125 fiber
Emitter type	Laser, Class I FDA 21 CFR 1040.10 and 1040.11, IEC 60825-1: 2007-03
Output stability	$\pm$ 0.05 dB typical over 1 hour (after 30 sec.) $\pm$ 0.15 dB over 8 hours (after 30 sec. typically)
Tone output	270, 330, 1000, 2000 Hz
GENERAL	
Output connector	SC, FC, ST, LC
Power	2 x AA batteries
Battery life	75 hours typical
Operating temperature	-10 to 50°C, 90% RH (non-condensing)
Storage temperature	-30 to 60°C, 90% RH (non-condensing)
Size (H x W x D)	11.4 x 6.4 x 3.2 cm (4.5 x 2.5 x 1.3 in)
Weight	0.18 kg (0.4 lb)

All specifications at 25°C.

Ordering Information

MODEL	INCLUDES
CSS1-SM	2 x AA batteries, user's guide, and carry case.