



CT-101 and CT-102 Fiber Cleavers

Precise cleaving is required for photonic splicing applications as the types of optical fiber become more diversified to meet new applications. In addition, angled cleaving is often required for low back-reflection fiber end preparation. The CT-101 and CT-102 have been developed to offer adjustability and versatility for these various fiber types and applications while offering superior tension cleaving performance beyond conventional cleavers that utilize a scribe and bend cleaving method. The CT-101 and CT-102 are equipped with a motorized diamond blade that touches the fiber after tension has been applied providing high-strength cleaving capability. The CT-101 is designed to accommodate the Fujikura FH-100 fiber holders while the CT-102 has been designed to accommodate the FH-70 fiber holders.

Features

- Diamond blade with long blade life
- Large diameter fiber cleaving capability (fiber diameter range 80 to 250 μm)
- Angle cleaving capability (0 to 15 degrees)
- Cleave counter
- Adjustable cleave length
- Dual power sources (4 "AA" batteries or AC adapter)

Specifications

PARAMETER	VALUE
Applicable Fiber	Conventional silica optical fiber
Cleaving Performance	Typical 0.3 degrees (125 μm SMF)
Cladding Diameter	80 to 250 μm
Coating Diameter	160 to 2000 μm
Cleave Angle Capability	0 to 15 degrees (adjustable)
Cleave Length	3 to 40 mm with Fiber Holder, FH-100 series or FH-70 series
Dimensions	140 mm (W) x 110 mm (D) x 95 mm (H)
Weight	900 g or less (excluding batteries)
Blade Lifetime	20,000 fibers (1,000 fibers x 20 points) (125 μm SMF)
DC Power Supply	4 AA batteries (approx. 1,000 cleaves)
AC Power Supply	100 to 240 VAC / 50 to 60 Hz using ADC-16
Operating Conditions	Temperature: 0 to 40°C, Humidity: 0 to 95% RH (Non-dew)
Storage Conditions	Temperature: -40 to 80°C, Humidity: 0 to 95% RH (Non-condensing)

Ordering Information

DESCRIPTION	AFL NO.
CT-101 Advance Optical Fiber Cleaver Compatible with FH-100 Fiber Holders	S016287
CT-102 Advance Optical Fiber Cleaver Compatible with FH-70 Fiber Holders	S016288

Accessories

DESCRIPTION	AFL NO.
ADC-16 AC Adapter	S015017
ACC-09 AC Power Cord	S014390
CB-06 Cleaver Blade	S016078