



Fujikura CT-101 and CT-102 Advanced Optical Fibre Cleaver

The CT-101/CT-102 Advanced Optical Fibre Cleavers are designed for cleaving silica fibres with a cladding diameter from 80 to 250 µm. The CT-101/CT-102 are equipped with a motorised diamond blade that touches the fibre after tension has been applied, providing high-strength cleaving capability with superior and consistent cleave quality. The cleaver's versatility allows for cleave lengths between 3 to 40 mm, adjustable tension for various cladding sized and the functionality to perform angled cleaving from 0 up to 15 degrees. The CT-101 can be used with the FSH-100 Series Fibre Holder and the FSM-100 Series Fusion Splicer. The CT-102 is designed to be used with the FH-70 Series Fibre Holders and telecom fusion splicers.

Features

- Diamond blade provides consistent cleaving quality
- Large diameter fibre cleaving up to 250 µm cladding diameter
- Angled cleave from 0 to 15 degrees
- Digital cleave counter
- Adjustable cleave length from 3 mm to 40 mm
- Dual power source (AC or battery)
- Long blade life, typically 20,000 cleaves

Associated Products

- Fujikura FSM-100 and LZM-100 Series speciality splicers
- Fujikura 70S fusion splicer
- Fujikura PCS-100 automated fibre stripper and proof tester
- AFL cleaning products

Specifications

PARAMETER	VALUE
Applicable Fibre	Conventional silica optical fibre
Fibre Count	Single fibre
Cladding Diameter	80 to 250 µm
Coating Diameter	160 to 2000 µm
Fibre Holder	FUJFH-100-xxx and FUJ-100-xxx-EV (to suit CT-101) FUJFH-70-xxx (to suit CT-102) xxx = coating diameter in µm
Cleave Length	3 to 40 mm
Angle Cleaving	0 to 15 degrees (cladding diameter 125 µm)
Blade Life	20,000 cleaves (cladding diameter 125 µm)
Dimension	140 (W) x 110 (D) x 95 (H) mm
Weight	0.9 kg

Ordering Information

PART NUMBER	DESCRIPTION
FUJCT101/FUJCT102	Fujikura CT-101/CT-102 Advanced Optical Fibre Cleaver Package contains: 1 x CT-101/CT-102 Advanced Optical Fibre Cleaver 1 x AC adapter (ADC16) 1 x AC power cord 1 x Instruction manual 1 x Hexagonal wrench, HEX-01 (for blade, angle and tension adjustment) 1 x Hexagonal wrench, HEX-02 (for cleave length adjustment) 1 x Cleaver test report

Accessories

PART NUMBER	DESCRIPTION
FUJFH-100-xxx	Fibre Holder for CT-101 xxx = coating/glass diameter (µm) 060, 100, 125, 180, 210, 250, 300, 350, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000 (µm)
FUJFH-100-xxx-EV	Fibre Holder with End-view functionality for CT-101 xxx = coating/glass diameter (µm) 060, 100, 125, 180, 210, 250, 300, 350, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000 (µm)
FUJFH-70-xxx	Fibre Holder for CT-102 xxx = coating diameter (µm) 250, 900, LT900
FUJCT-101BLADE	CT-101/CT-102 Replacement Blade