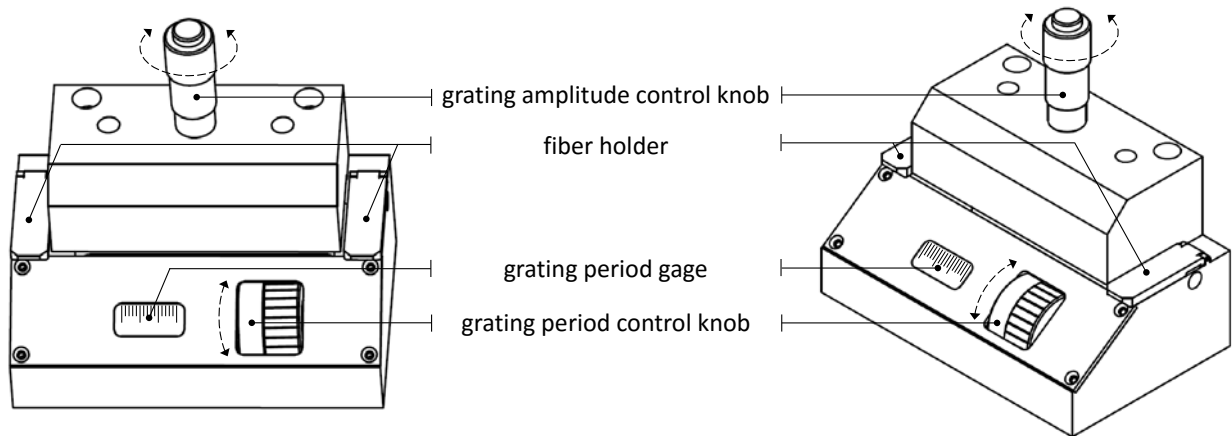


General description

Tunable long period gratings (TLPG) provides mode conversion between symmetric modes and anti-symmetric modes.

Configuration



Dimension: 82 mm (H) X 100 mm (W) X 77 mm (D)

Operation

- Release the 'grating amplitude control knob' (screw the knob in the counter clockwise direction) before using this device.
- Insert the fiber to the device and clap the fiber by using the 'fiber holder'.
- Adjust the grating period by controlling the 'grating period control knob'.
- Carefully press the fiber by turning the 'grating amplitude control knob' in the clockwise direction.
 - o Check the mode conversion by observing the output mode while the fiber is pressed weakly.
 - o If there is no mode conversion, release the 'grating amplitude control knob' and re-adjust the grating period by controlling the 'grating period control knob'.
 - o Repeat the process until efficient coupling is realized with minimum pressure.
- Coupling ratio is adjusted by using the 'grating amplitude control knob'.
- Scales marked on the 'grating period gage' do not represent the actual grating period, but provide the reference.
- Note that typical fibers may not be uniform in length direction that would require re-adjustment of the grating period when different fiber section is used.

● Caution

- Make sure to release the 'grating amplitude control knob' before changing the grating period by using the 'grating period control knob' for preventing the damage to the fiber.
- Do not apply the excessive force on the 'grating amplitude control knob'.
- Do not remove the fiber jacket.

Specifications

Tunable beatlength range (μm)	300-900, 500-2000
Tuning length per scale (nm/div)	200, 400

Product codeTLPG -①

① Beatlength range

39: 300-900 μm 52: 500-2000 μm

CU: customized

Warranty

KS Photonics provides 1-year warranty. However, any damages caused by customer's fault will not be covered by the warranty.

Note

Do not disassemble the device. You will not have our warranty policy if anti-disassembling seal is damaged.