

5 mm NanoFlex™ Piezo Stage with Driver Bundle

Features

- Open- and Closed-Loop Piezo Positioning Kit
- Manual Operation via Top Panel
- USB Control for Remote Operation
- Software Control Suite Included (See Pages 654 – 656 for Details)

TPZNF5 Bundle

The TPZ001 T-Cube Piezo Driver is the ideal driver for the NF5DP20 stage. This bundle includes everything needed for a complete open-loop piezo positioning system and saves 10% on the combined product price. The power supply is sold separately (See Price Box Item # TPS002)



TSGNF5 Bundle

This bundle has been designed for customers who require precise, closed-loop control. The NF5DP20S stage, together with the T-Cube Piezo Controller (TPZ001, see pages 636 – 637) and Strain Gauge Reader (TSG001, see pages 638 – 639), provides an out-of-the-box high-precision, closed-loop positioning solution. Furthermore, this bundle saves 10% on the combined product price. The power supply is sold separately.



TPZ001 Piezo Driver
(For Complete Details,
See Pages 636 – 637)

The TPZ001 T-Cube Piezo Driver is a compact, single-channel controller that provides manual and automated nanometer-level motion control of Thorlabs' open-loop, piezo-actuated NF5D series stage. The controller is capable of delivering up to 150 V of drive voltage at 7.5 mA, thereby allowing an operating bandwidth up to 1 kHz when using a piezo element with 1 μ F of capacitance.

Features

- Drive Voltage Digital Display
- Low-Voltage Driver Input (SMA)
- Low-Voltage Monitor Output (SMA)
- Closed-Loop Operation with T-Cube Strain Gauge Reader Unit
- Voltage Ramp/Waveform Generation Capability

Features

- Nanometer-Level Position Resolution with Thorlabs' NF5D Stage
- Strain Gauge AC Bridge Signal Input
- Provides Closed-Loop Operation with TPZ001 Cube Piezo Driver Shown Above
- Position, Force, or Voltage Readout

The TSG001 T-Cube Strain Gauge Reader is a single-channel reader designed to measure, condition, and display the feedback signal derived from the AC bridge strain gauge system contained within the NF5DP20S stage.



TSG001 Strain Gauge Reader
(For Complete Details,
See Pages 638 – 639)

TPZNF5 Bundle 5 mm NanoFlex™ Stage, Open-Loop Piezo and Driver Bundle

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
TPZNF5	TPZNF5/M	\$ 1,580.00	£ 1,137.60	€ 1,374.60	¥ 12,592.60	NF5DP20 5 mm Travel Stage and TPZ001 Piezo Driver
TPS002	TPS002*	\$ 105.00	£ 75.60	€ 91.35	¥ 836.85	Dual T-Cube ± 15 V/5 V Power Supply

TSGNF5 Bundle: 5 mm Travel, NanoFlex™ Stage, Strain Gauge Feedback and Driver Bundle

ITEM #	METRIC ITEM #	\$	£	€	RMB	DESCRIPTION
TSGNF5	TSGNF5/M	\$ 2,519.00	£ 1,813.68	€ 2,191.53	¥ 20,076.43	NF5DP20S 5 mm Travel Stage, TPZ001 Piezo Driver, and TSG001 Strain Gauge Reader
TPS002	TPS002*	\$ 105.00	£ 75.60	€ 91.35	¥ 836.85	Dual T-Cube ± 15 V/5 V Power Supply

*Both Imperial and Metric parts are equivalent.

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T-Cube Hub
for up to 6
controllers



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