

COMPACT MICRO-POSITIONING STAGE µTMP 16-1560-10 DATASHEET ISP13A666FP0007-A

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Non contractual photo

## µTMP ensure high precision motion of equipment, part or sample....

## **1 - Description**

 $\mu$ TMP 16-1560-10 is equipped with a crossed roller bearings providing, in a minimal footprint, good stiffness and high precision...

The motion is operated by an irreversible screw-nut system with backlash compensation.

An optical sensor (end of travel) enables to recover an absolute position.

A stepper motor enables to combine precision, torque and speed.

The stages are compatible with vacuum use (10<sup>-6</sup> mbar maximum). In this version the stage has an untreated aluminum color (no black anodization)

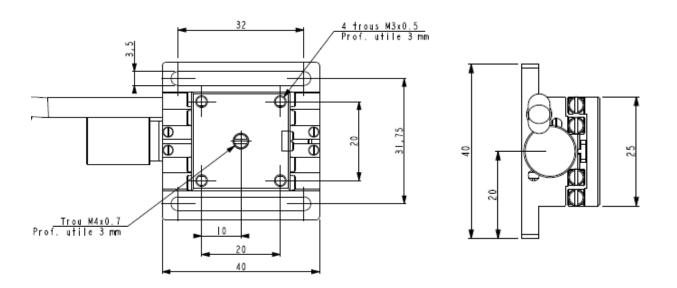
UHV (10-8mbar max) version is possible as an option. Following grease and materials are adapted to reduce outgassing:

- Lubrication (motor, screw-nut, bearings)
- Epoxy glue
- Cable PTFE
- Screw and bolts steel

## 2 - Technical Specifications

CHARACTERISTIC (without options)	SPECIFICATIONS
Stroke	16 mm
Resolution	1.56 µm / pas
Repeatability	< 3 µm
Speed	1.5 mm/s
Payload	10 N
Hybrid Stepper motor	
Polarized and irreversible board	
Optical sensor	
Black anodized aluminum finishing	
Grease and materials compatible with vacuum	

## 3 - Dimensions : (drawing)





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