

ROBOTIC MICRO POSITIONER μVMR 20-50 – 12V

DATASHEET ISP14A759FP001-B

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Non contractual photo provided blocks on polypropylene adapted

This micro positioned motorizes adjustment or dynamics movement with a minimum volume.

1 - Conception

- The positioner μVMR 20-50 is driven by a direct current with encoder. Provide an irreversible displacement through an high precision screw.
- The non rotating system of the rod guaranties easy and secure using as the extremity doesn't rotate, and so avoid oscillation, torque and wear of the contact point.
- Provide Bidirectional forces up to 50N.
- Can be easily adapted on various devices of optics or mecatronics positioners (Mounting, stages, robots...)
- Stainless steel stucture. The rod is equipped with a dynamic sealing, to avoid any pollution of the positioner.
- This kind of positioner is design for a piloting at speed control (control our proportional manual piloting)

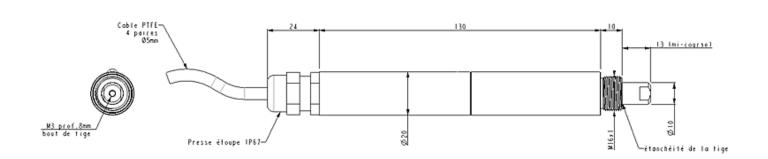
2 - Applications

- Positioning and accurate orientation of optics, captors, samples...
- Stages and mounting motorization
- Robotics (scientific, medical...)
- Motorization of devices requiring remote control

3 - Technical Specification

CHARACTERISTICS	VALUES
Travel Range	20 mm
maximum axial load	100N
Maximum speed	3 mm/s under 20N 2 mm/s under 50N
Maximum acceleration	250 mm/s ²
Axial clearance	Around 0,1mm
Compatibility	Steel, sealed road, sealed cable gland
Dimensions	Ø 20mm x L 175mm (half-travel)
Mass	~ 250 grammes
Motorization	Direct courant motor 12V
Encoder	Incrémental canaux A et B
Associated electronic control unit	 Autonomic case – Supply on 12V Cruise control 2quadrants Control on 0-10V + DIR Dimension 125x45x180mm
Condition of use	IndustrialSemi-harsh

4 - Dimensions



ISP SYSTEM Z.I. de la Herray 65500 VIC-EN-BIGORRE - France +33 (0)5 62 33 44 44

www.isp-system.fr

contact@isp-system.fr

Capital de 1 000 000 € - SIRET : 410 675 078 00027 - APE : 71128 - TVA : FR 19 410 675 078