



DATA SHEET
ISP 14A759FP001-B

Robotic Micro Positioner μ VMR 20-50 – 12V

update : 16/04/2015

page 1

**This micro positioner motorizes
adjustment or dynamics movement
with a minimum volume**



Non contractual photo

Conception :

- The positioner μ VMR 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)

Applications :

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

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page 2

Technical specification :

Characteristics	Values
Travel Range	20 mm
maximum axial load	70N
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
Boitier Electronique de commande associée	Autonomous case – Supply on 12V Cruise control 2quadrants Control on 0-10V + DIR Dimension 125x45x180mm
Condition of use	Industrial Semi-harsh

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