

Update : 09/09/2014



*Non contractual photo provided blocks on polypropylene adapted*

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

## 1 - Conception

- The positioner  $\mu$ 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)

## 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 <sup>2</sup>
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	<ul style="list-style-type: none"> <li>• Autonomic case – Supply on 12V</li> <li>• Cruise control 2quadrants</li> <li>• Control on 0-10V + DIR</li> <li>• Dimension 125x45x180mm</li> </ul>
Condition of use	<ul style="list-style-type: none"> <li>• Industrial</li> <li>• Semi-harsh</li> </ul>

### 4 - Dimensions

