

Update : 12/13/2022



*Non contractual photo*

**VMPMP 30-30-300 ensures high precision movement.**

## 1 - Description

- The VMP 30-30-300 is driven by an hybrid step by step motor. It provides an irreversible translation motion through a precision screw.
- The VMP got an anti-rotation rod system ensuring an easy application.
- Its embedded guidance allows to support radial load
- Geometry and characteristic can be adapted upon customer's request.

## 2 - Applications

Accurate positioning of optical and sensors

## 3 - Technical specifications

MOTORIZATION	
Hybrid stepper motor, bipolar 400 steps/tn	
Voltage	24 to 48V
Current	0.4 Ω/phase
Resistance	33 Ω/phase
Inductance	14 mH/phase

TECHNICAL SPECIFICATION	
Travel	30mm
Repeatability	0.5 µm RMS
Resolution	55 nm/step motor
Linearity	<1%
Minimum increment control Recommended	3 steps motor

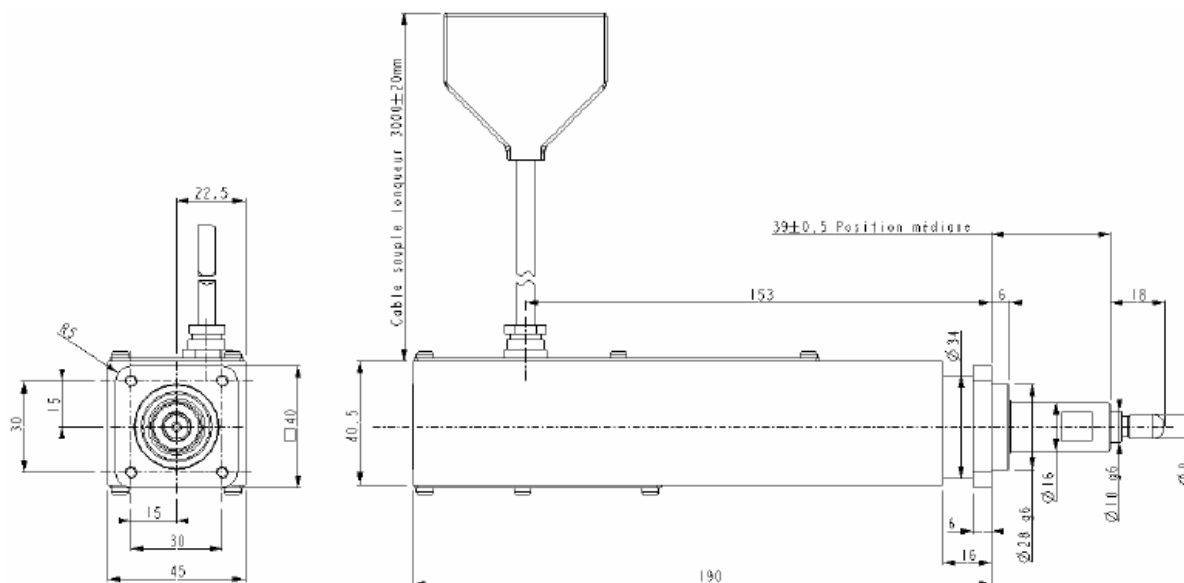
POSITIONER
Standard Delivery with 3m of unshielded multi-conductors wiring (8x0.25mm <sup>2</sup> ) and A Sub-D plug 25 points connector

STRESS RESISTANCE	
Axial	300 N
Radial	30 N

EMBEDDED OPTIONS ON LMJ VERSION	
2 NF limit contacts	
Short term unidirectional repeatability for 10 operations : ± 10 µm	

Cleanliness Class	ISO5
Operating temperature	20 to 22°C
MASS	1.5 kg
Operation under high vacuum	Provided for an high vacuum operation

## 4 - Dimensions



ACTUATOR WIRING		
Index	Function	Contact
1	PHASE A+	MALE
2	PHASE A-	MALE
14	MASS MECA	MALE
3	Phase B+	MALE
4	Phase B-	MALE
17	LIMIT +	MALE
16	COMMON LIMIT	MALE
18	LIMIT-	MALE