

MICRO MANIPULATOR & PROBE NEEDLE (COAXIAL PROBE)

We offer various types of products other than shown here.
We also produce specialized products according to your needs.
Please inquire us.

PROBE NEEDLE

Precision Probe Needle

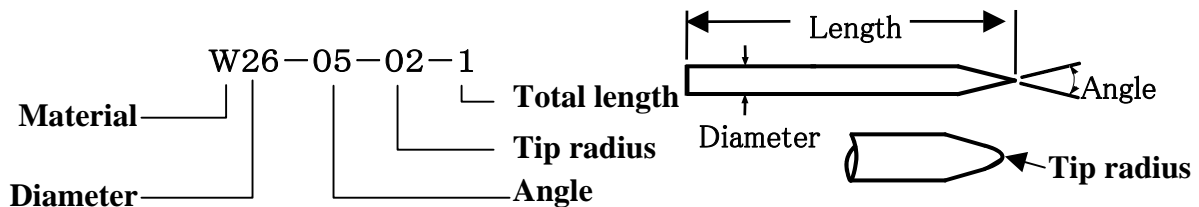
FEATURES

Material of probe is either Tungsten or Beryllium copper.


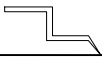

Needle pressure of Beryllium is so low in comparison with Tungsten that it suit the condition where you want to low Needle pressure or measure low leakage

※ Needle pressure of Beryllium is about half amount of that of Tungsten, comparing at same configuration.

MJC can supply various size of probe needle according to customer's usage and requirement.



Material	Diameter	Angle	Tip radius	Total length
W (Tungsten) B (Beryllium copper)	26 (0.66mm)	05 (5°)	004 (1 μ m)	1 (25.4mm)
		08 (8°)	01 (2.5 μ m)	1¼ (31.7mm)
		10 (10°)	02 (5 μ m)	1½ (38.1mm)
			05 (12.7 μ m)	
			10 (25 μ m)	

Model No.	Form	Usage
W26-05-01 × 1	Straight Needle 	At using L arm
W26-05-01 × 1¼		
W26-05-02 × 1¼		
W26-05-05 × 1¼		
W26-05-02 × 2¾ A	Needle combined use with probe card 	At using Zoom7・Micro zoom
W26-05-02 × 2¾ B	Needle combined use with probe card 	At using socket board, purge board

※ MJC can supply probe needle except size of tip radius above. Please inquire us.

MODEL 203, 203-SP80 MICRO MANIPULATOR



203

203-SP80

203-PICO

Model No.	Usage
203	Manipulator(with magnetic holder) for high precision manual prober
203-SP80	For 708fT,SP-80,SP-8000 (with magnetic holder)
203-PICO	For installation of pico probe

FEATURES

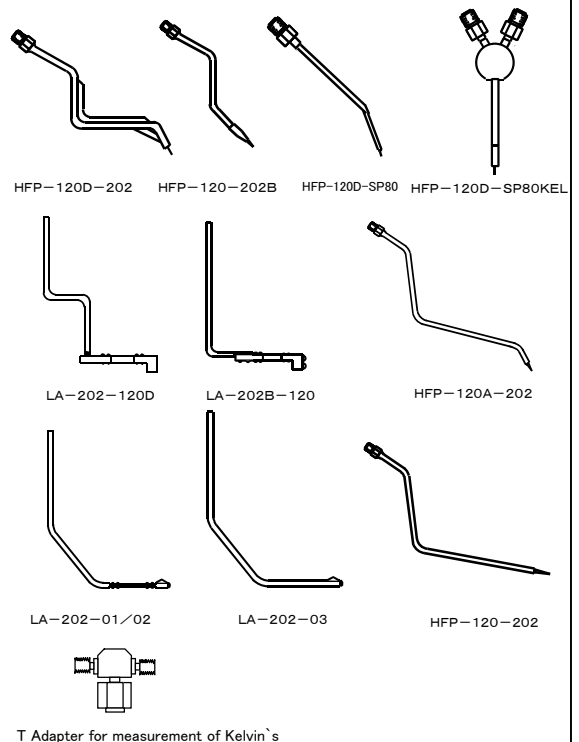
- (1) Read under 10 μ m due to using handle of X,Y,Z axis, which has microhead.
- (2) Smooth to operate due to using the steal bowl on slide base side of X,Y,Z.
- (3) Measure low leakage by coaxial probe needle.
- (4) Organize system suitable for measurement by plentiful option.

MEASURE

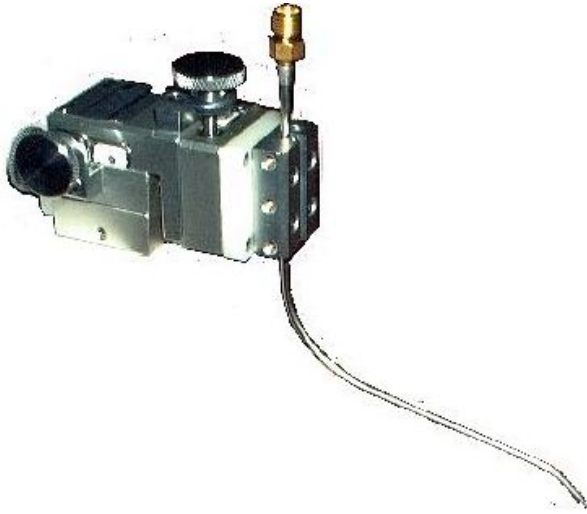
- Measurements : 203 34(W) \times 203(D) \times 88(H)mm
203-SP80 34(W) \times 203(D) \times 120(H)mm
- Total stroke : X,Y,Z each 12mm
- Stage travel : X,Y,Z each 500/revolution

OPTION

MODEL No.	Item	Usage	Note
HFP-120-202	For 203 Coaxial probe needle	Low leakage, Capacity, Coaxial probe for measurement of high frequency	Normal Temperature
HFP-120A-202	"	"	high temperature (heat-resistant 300°C)
HFP-120D-202	With spacer	"	1. 2 ϕ Noise less
HFP-120-202B	"	"	2. 2 ϕ Noise less
HFP-120D-SP80	Coaxial probe needle	For SP-80,SP-8000	For high and low temp (-50°C ~ +200°C)
HFP-120D-SP80KEL	Kelvin's connection	"	"
LA-202-120D	Arm for installation of Coaxial probe needle	For installation HFP-120D-202	Arm for 1. 2 ϕ
LA-202B-120	"	For installation HFP-120-202B	2. 2 ϕ
LA-202-01	L arm for precision probe needle	Soft contact type	Standard
LA-202-02	"	"	Insulation style
LA-202-03	"	Hard contact type	2. 5 ϕ



MODEL 204C MICRO POSITIONER



Easy to operate and stable due to straight line motion of X. Y. Z. action.

204CL	Take a view from holder side, handle of X. Y. Z. axis belong to left side.
204CR	Take a view from holder side, handle of X. Y. Z. axis belong to right side.

FEATURE

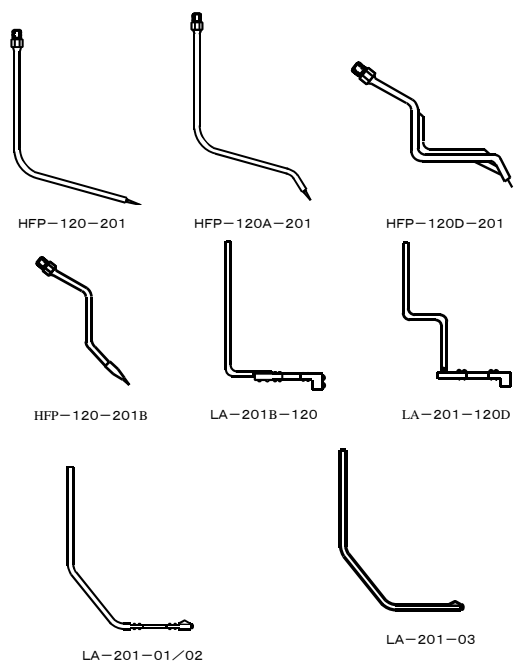
- (1) easy to set up due to magnetic bottom plate.
- (2) contact minute pad under test by X. Y. Z. system
- (3) Measure low leakage by coaxial probe needle(option)
- (4) Organize system suitable for measurement by plentiful option

SPECIFICA







- Measurements : 43(W) × 83(D) × 67(H)mm
- Total stroke : X.Y. Z. each 10mm
- Stage travel : X. Y. Z. each 500 μm/revolution

OPTION

MODEL No.	Item	Usage	Note
HFP-120-201	For 204C Coaxial probe	Low leakage, Capacity, Coaxial probe for measurement of high frequency	Standard
HFP-120A-201	"	"	High temp (heat resistance +300°C)
HFP-120D-201	" With spacer	"	1. 2 φ Noise less
HFP-120-201B	"	"	2. 2 φ Noise less
LA-201-120D	Arm for installation coaxial probe	For installation of HFP-120D-201	1. 2 φ Arm
LA-201B-120	"	For installation of HFP-120-201	2. 2 φ
LA-201-01	Precision probe needle L arm	Soft contact type	Standard
LA-201-02	"	"	Insulation style
LA-201-03	"	Hard contact type	2. 5 φ



COAXIAL CABLE

Model No.	Connector form	Note	Usage	Form
HFP-60	OSM-OSM	Standard length 80cm		
HFP-60A	OSM-OPEN			
HFP-60B	OSM-FEMALEPIN		For straight probe	
HFP-60C	OSM-Terminal Pin		For chuck top	
BNC-BNC-1M	BNC-BNC	Standard length 100cm		
HFP-60-05	OSM-OSM	Standard length 60cm	For 203-SP80	

★Please be advised that specification may vary for product improvement.

★We offer various types of products other than shown here. Please inquire us.

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