

# FUDU

## Precision Four-Point Probe Heads



### **Features:**

- Jewel guided Tungsten Carbide Needles
- Probing Repeatability better than 0.1%
- Probing Life Expectancy >250,000
- Can be made in different shapes to replace various probe heads.
- Various Needle Tip Radii available
- Repair Service available

### **Specifications:**

***Standard Probe Tip Separation:*** 1mm in linear array. Various arrays made to customer's specifications are available.

***Probe Needles:*** Tungsten Carbide Needles with a tip radius of 25  $\mu\text{m}$ , 100  $\mu\text{m}$ , 300  $\mu\text{m}$ , and 500  $\mu\text{m}$  standard. Other tip radii can be made to customer's specifications.

***Probe Guiding:*** Each probe needle is jewel guided near each end and is hand polished to best fit the jewel.

***Probe Spring Loading:*** Each needle is individually biased by a spring. The loading force is adjustable between 90g to 200g. Other adjustable ranges are available according to customer's specifications.

***Maximum Needle Retraction:*** The standard retraction during probing is 0.5mm. Other specifications are possible.

***Insulation:*** 150 Volts maximum voltage difference and  $10^{13}\Omega$  minimum resistance.

***Dimensions:*** Available in various designs upon request.

### **Repair:**

For needle replacement and other repairs the defective probe head can be sent to our address in Changchun, P.R. China directly or through our agents around the world. A used or defective head can also be traded in.

### **Address:**

Changchun Fudu Electronic Instrument Co., Ltd.

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