Electrochemical Etching System for STM Tip

UTE-1001

UTE-1001 makes a very sharp STM tip by electrochemical etching. A tungsten wire submerged into Potassium Hydroxide solution is applied and the end of the tip becomes very sharp. UTE-1001 shut down automatically when etching process is finished, so you can get nearly same quality of tips when using the same concentration about reagent and voltage.

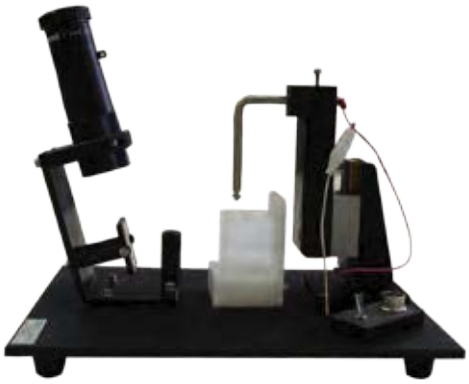
Electrochemical Etching System for STM Tip UTE-1001

Component

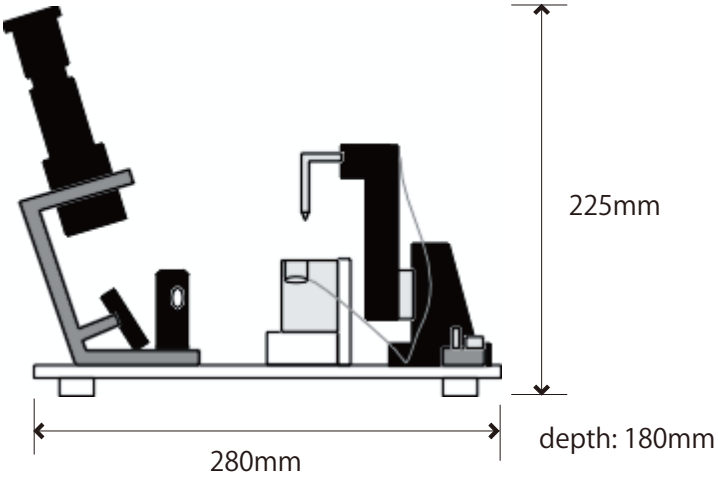
Main Unit	1
Power Supply	1
Cable	1
Electrochemical Cell	1
Cell Table	1
Accessories	1
Mini Maglite	2
Tungsten Wire (Φ0.3mm x 30mm)	3

Specifications

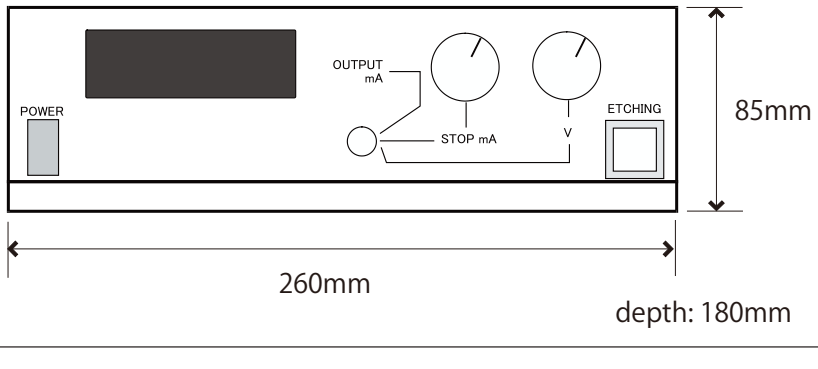
Input Power	100, 115, 120, 220, 240 VAC (Selectable, but it must be ordered with original order, cannot be added later as option)
Voltage Setting	DC 0 ~ 12V
Stop Current	0 ~ 3mA
Tip Material	Tungsten (Φ0.3mm)
Tip Curvature Radius	tens of nanometer



Main Unit



Controller / Power Supply



Instrumental components are subject to change without prior notice for improvement in performance.

UNISOKU Co., Ltd.

E-mail: info@unisoku.co.jp Web site: http://www.unisoku.com/

2-4-3 Kasugano, Hirakata, Osaka 573-0131 Japan TEL +81-72(858)6456 FAX +81-72(859)5655

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