

# Lock-in Amplifier for Modulation Measurement

## Model U100-1025P



The model U100-1025P is a lock-in amplifier for the STM/AFM manufactured by Unisoku, which provides a certain frequency modulation to the bias voltage or probe-sample gap. The  $dI/dV$  image,  $dI/dz$  image, and also  $dI/dV$  spectrum can be obtained with this system.

► **Specifications**

Modulation voltage	0 - 2mV 0 - 20mV changeable
Modulation frequency	2 - 20kHz changeable
Input sensitivity	x1 - x1000 changeable in 7 steps
Output gain	x1 - x500 changeable in 6 steps
Response	0 - 20msec 0 - 2sec changeable
Output offset	- 10V - +10V
Detection mode	f and 2f changeable
Input voltage	100VAC (50/60Hz)
Consumption power	less than 100W
Dimensions	430(W) x 300 (D, 370 max. including the protrudent part) x 93 (H) mm
Weight	about 4kg

*Specifications and appearance subject to change without prior notice.*

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