

KFM Attachment Units

UKFM-100



KFM Module



Lock-in Amplifier for KFM Measurement

These units are used for Kelvin Force Microscopy (KFM) as attachments of the AFM system of UNISOKU. These units make it possible to image the electric potential distribution of a sample surface.

KFM Attachment Units UKFM-100

▶ Component

Lock-in Amplifier for KFM Measurement
KFM Module
(Au/Cr Coated Cantilever)

▶ Specifications

▶ Lock-in Amplifier for KFM Measurement

Modulation Voltage : 0 to 1V, 0 to 10V
Modulation Frequency : 2 to 20kHz
Input Gain : x1 to x1000
Output Gain : x1 to x500
Response Time : 0 to 20msec, 0 to 2sec
Output Offset : ±10V adjustable
Detection Mode : f, 2f mode
power : 15W, 100VAC (50/60Hz)
size : 430mm×300mm×93mm
Weight : about 4Kg

▶ KFM Module

Input Voltage : ±10V
Output Voltage : ±10V
Filter : 1 kHz
Feedback : PI control
Power : 10W, 100VAC (50/60Hz)
size : 257.4mm×102.6mm×262.2mm
Weight : about 3Kg

Au/Cr Coated Cantilever

Cantilever : Piezoelectric Cantilever



Front View



Front View



Rear View

KFM Lock-in Amplifier for KFM Measurement



Rear View

KFM Module

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

Unisoku Co., Ltd.

2-4-3, Kasugano, Hirakata, Osaka 573-0131, Japan

Tel : 81-72-858-6456 Fax : 81-72-859-5655

e-mail: info@unisoku.co.jp

URL: <http://www.unisoku.co.jp>