

# 3D ROTATOR

FOR KLY5-A AND MFK1-FA/A  
KAPPABRIDGES

# AGICO

ADVANCED GEOSCIENCE INSTRUMENTS COMPANY

Optional accessory for KLY5-A and MFK1-FA/A Kappabridges  
Reduces AMS measurement time  
Easy operation  
Automatic field variations of AMS



## Specimens to be measured

Cylinder (regularly shaped specimens)

Diameter  $25.4 \pm 1$  mm

Length  $22.0 \pm 1$  mm

## General Description

**3D-Rotator** brings increased speed and better comfort of anisotropy of magnetic susceptibility measurements. The 3D-Rotator rotates the specimen simultaneously about two axes with different velocities. The 2-axis rotation enables to determine 320 directional susceptibilities during a single anisotropy measurement. These directions are very well distributed on a sphere which makes the measuring design almost rotatable. The actual measurement is fully automated in such a way that, once the specimen is mounted into the rotator, it requires no additional manipulation to measure the full AMS tensor. The approximate duration of one anisotropy measurement including bulk susceptibility is 1.5 min, compared to more than 3 minutes when the classical (3-plane) rotator is used.

## Main Features

Rapid anisotropy measurements with autoranging.  
One specimen in less than 2 minutes.  
Specimen inserted only once.  
One manual handling minimizes specimen misorientation.  
Automated AMS measurement in variable fields.  
Bulk susceptibility automatically measured right after anisotropy measurement.  
Anisotropy tensor automatically calculated from 640 directional susceptibilities.  
Sophisticated software support.  
For **MFK1-FA/A** and **KLY5-A** Kappabridges.

**AGICO, Inc.**

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