

2-Circle Goniometer 424

This system offers low height, high precision and high load capacity.

As in all other systems in this series, both circular motions are independent of each other. The 2-Theta circle is equipped with an arm with prism guide and carriage.

A further prism guide with carriage is mounted to the side of both circles.

Application specific versions:

- vacuum suitable
- antimagnetic
- radiation resistant
- in black

Specifications:

Travel range [°]: 360

Material (housing/worm gear): Aluminium/Bronze

Gear ratio: 360:1

Resolution [°]: 0.001*

0.00005 minimum

Min. drive torque [Nm]: 0.5

Weight [kg]: 36

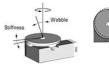
Flange size [mm]: 56

Stiffness [µrad/Nm]: 2

Max. load [N]:

- Theta: 3400

- 2-Theta: 100

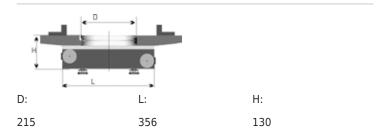


Accuracy ["]:	<=	30
Repeatability (unidir.) ["]:	<=	2
Reversal error ["]:	<=	7
Eccentricity [µm]:	<=	3
Wobble ["]:	<=	4

^{*} step motor, 1000 steps/revolution



Dimensions [mm]:



Accessories:

Motors: 2-/3-/5-Ph. Servo/DC Hand wheels: 0056 Gear boxes: 2056.05 2056.10 2056.20 Limit switches: included Zero-point control: included Encoder XE : incremental absolute Control system: 9300 Various arms: optional Counter weight: optional Soller aperture system: optional



