

ABSTRACT

APPARATUS FOR MEASURING THE FLYING HEIGHT
OF MAGNETIC HEADS

The improved for measuring the flying height of a magnetic head comprises a clear disk made of single-crystal sapphire, a spindle on which said disk is mounted for rotation, a mechanism for loading the magnetic head above one surface of said disk, measuring optics having a photoelectric converter that receives the light produced by interference of reflected light from said one surface of said disk with reflected light from the surface of said magnetic head as a result of application of light to said one surface through the other surface of said disk, and which converts the received interference light to an electric signal by means of said photoelectric converter, and a processing unit for calculating the flying height of said magnetic head in response to said electric signal from said measuring optics.