

The declination casing houses a 15.1 inch worm gear, worm assembly, and DC servo motor.

The optical tube assembly attaches to the top surface of the declination axis.

The declination assembly detaches from the polar assembly for purposes of shipping.

The MI-1000G polar and declination assembly weigh approximately 550 pounds (270 Kg).

37.5

The polar assembly slides on a concave surface, providing approximately 6 degrees of latitude adjustment.

The counter-weight shaft and coupling detach from the declination assembly.

The 3.0-inch diameter stainless steel counter-weight shaft is threaded allowing one to adjust the weights without tools.

An altitude screw adjusts the angle of the polar assembly to the observatory latitude.

Two screws on opposite sides of the rocker base are used to adjust the azimuth of the polar assembly.

The rectangular base plate (20.4 x 15.0 x 1.25) is bolted to the top of the observatory pier.

50.5

Mathis Instruments
MI-1000 Polar Assembly
Scale = 7:1 Rev C
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