

Flat Magnograph II Head Technical Overview

The new Heath and Sherwood Flat Mag II was specifically designed for NDT testing of rubber coated flat balance ropes and flat tail ropes. These ropes, while more common in Eastern Europe, have been recently introduced into the North American market. The Flat Mag II continues to build on the advanced capabilities of the Magnograph NDT line of equipment which has made it an industry standard for the last three decades.

The Flat Mag II is compatible with existing Mag II computer enclosures, cabling and software making it a natural extension to the rope tester's tool kit. The head may share a Mag II computer system with a standard Mag II head, eliminating the need for a duplicate computer console and allows the operator to use the same software, test procedures, data scaling and analysis techniques currently used with the Mag II with no learning curve required.

The Flat Mag II head provides greatly improved signal capture and analysis capabilities over existing test equipment and as in the case of the Mag II, processes and stores complete, real time, calibrated and scaled LMA, LF and head position data which is available during test runs and for post test review either on site or via e-mail file transfer.

The hinged head is compact, lightweight and easily latches over the flat rope under test for simple installation and removal. The instrument is field adjustable to accommodate a wide range of rope sizes and weights.

Key Specifications

Head Capacity:

Accommodates flat rubber coated flat balance rope/tail rope (2 - 8 internal ropes) and flat braided balance rope having a cross sectional area of 66 - 202 mm (2.6 - 8") wide and 30 - 40 mm (1 - 1.6") high with an internal rope metallic weight of up to 20 Kg/m.

Head Size:

Length	25.5" (64.75 cm)
Width	11.5" (29.25 cm)
Height	6.85" (17.5 cm)
Weight	72 Lbs (32.65 Kg)