

CLINOMETER 83
360° CLINOMETER - DIRECT
READING TO 1 MINUTE Code 59/0105

Description

The Clinometer 83 is an instrument for measuring angular deviation accurately. Due to its design, it is very compact and smaller than most Clinometers of the same accuracy.

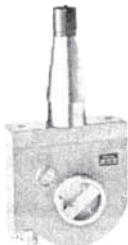
The base is hardened and ground flat with a longitudinal prismatic vee. This allows for location on flat and cylindrical surfaces.

The circular scale, which can be observed through the viewing window, is marked 0.180.0 at one degree intervals and figured every 10 degrees. A spirit vial – setting the datum – is attached to the adjusting collar integral with the main scale. This scale is subdivided by means of an external Micrometer. The drum is graduated in minutes and figured every five minutes.

Application

For setting and checking angles through 360° Used in the following industries:

- Machine Tools
- General Engineering
- Shipbuilding
- Textile Machinery
- Structural – Bridges
- Mining, Aeronautical etc.



Operation

For the initial setting, i.e. to the nearest degrees, depress the spring-loaded Micrometer Drum to disengage the drive to the main scale. Coarse setting is then made by rotating the spirit level by hand. Rearrange the drive and rotate the Micrometer Drum to obtain final setting.

Specification

Glass Covered aperture: 1 div. = 1°
 Micrometer drum: 1 div. = 1"
 Vial: 1 div. = 0.3mm/m or 1"
 Flat and vee bearing surfaces hardened and ground.

Coarse setting is made by rotating vial by hand after worm drive is disengaged by depressing micrometer drum.

Dimensions: mm 150 x 30 x 124
 Weight: kg 1,600

Same characteristics as n° 83.

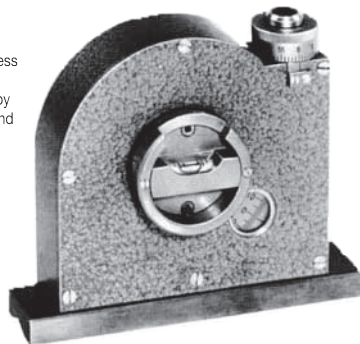
Level is replaced by a plane worktable.

A removeable level is furnished for using as n° 83.

OPTIONAL ACCESSORIES for n° 83 and 83U

- 59/0106** : prismatic base 120 x 30 mm.
- 59/0107** : magnetic flat base 120 x 30 mm.
- 59/0108** : morse taper. (No. to be supplied)
- 59/0109** : steep taper.

Furnished in wooden box



No. 81 – AUTOMATIC

CODE 59/0103

AUTOMATIC CLINOMETER

Pendulum in the form of a drum.

By means of ¼ rotation knob, it is possible to hold the drum stationary for the purpose of reading.

All working parts enclosed in a dust tight case.

Flat plus vee bearing surfaces hardened and ground.
 ± 180° - Vernier 1 minute.

Maximum error between 2 readings:
 2 minutes.

Dimensions: mm 150 x 30 x 156
 Weight with box: kg 1,800

Optional accessories

Magnifier.

Magnetic base interchangeable with the normal base and type 83 clinometer.

