

THE ORIGINAL GEONOR H-60

HAND-HELD VANE TESTER



FEATURES

- Preliminary field investigation of undrained shear strength of soft to stiff clays
- Quick and easy to use, low weight
- Direct manual boring down to 3 meters
- Measurement range from 0 to 200 kPa
- Delivered with calibration certificate

GEONOR H-60 HAND-HELD VANE TESTER

OVERVIEW

The field vane shear test (FVST) is the most commonly used method for measuring the undrained shear strength of soft to stiff clays. For this reason, a preliminary investigation of soft clays with a hand-held vane tester is both economic and fully relevant. It also has good repeatability and is quick in providing valuable information for the planning of more detailed surveys.

However, results with systematic errors can occur if the testing equipment used is inaccurate or unreliable. Such errors can result in high costs if they are incorporated in the final design parameters. The Geonor H-60 hand-held vane tester is a fully professional instrument for preliminary FVST investigations. Each unit is delivered with its individual calibration certificate. The authentic Geonor H-60 was originally developed in 1966 by the Norwegian Geotechnical Institute (NGI). It has since been constantly improved by Geonor in co-operation with NGI and is used today in over 60 countries throughout the world.

Beware of low quality copies of the original Geonor H-60.

TECHNICAL SPECIFICATIONS

The Geonor H-60 consists of three exchangeable vanes, extended by 0.5 m rods.

The instrument covers three ranges of measurement, 0-50, 0-100, 0-200 kPa, depending on the size of vane used: 16 x 32 mm, 20 x 40 mm or 25.4 x 50.8 mm.

The peak value is determined by means of the scale-ring, which has to be turned back to zero position before each measurement. The instrument is sufficiently rugged to be used as a handle during penetration and retraction of the vane. To correct for the skin friction of the extension rods, dummy tests are performed with the rods only.

Total weight: 3, 10 kg

ORDER REFERENCES

Quantity	Part No.	Description
	20000	Vane tester complete for 3m depth:
6	20001	Extension rod L=0,5 m, Ø = 10 mm
1	20002	Vane, 16 x 32 mm (0.63" x 1.25"): 0-200 kPa
1	20003	Vane, 20 x 40 mm (0.79" x 1.58"): 0-100 kPa
1	20004	Vane, 25.4 x 50.8 mm (1" x 2"): 0- 50 kPa
1	20006	Dummy
1	20007	Carrying case
2	20008	Wrench, 8 mm
1	20009	Wrench, 17 mm
10	20010	Connection piece for extension rods and vanes
1	20100	Instrument for hand-held vane tester