

LIGHTWEIGHT SOIL INVESTIGATION MACHINE SPT-K160

STANDARD: DIN EN ISO 22476-14 EN ISO 22476-14 ISO 22476-14

The SPT-K160 is a multi-functional, lightweight soil investigation rig. It can be used for various dynamic probing tests (DPL, DPM, DPH and DPSH) and standard penetration tests. It can also be used to extract the probe rods after test. Its two wheels allow for easy movement, the transportation and tests can be completed by only one person. Four adjustable support feet allow it to adapt to working sites with different terrains.

FEATURES

- ⊙ Equipped with two wheels, easy to move;
- ⊙ Four adjustable support feet for perpendicular working in all positions;
- ⊙ 10 kg basic drop weight and 20 kg + 20 kg + 13.5 kg additional weights. Drop weight can be adjusted as needed;
- ⊙ Drop height can be varied between 500 and 750 mm (other drop height can be customized.);
- ⊙ Mechanical blow counter;
- ⊙ Rod extraction function;
- ⊙ Dynamic probing DPL, DPM, DPH, DPSH and SPT can be carried out.



TECHNICAL SPECIFICATIONS

Power pack	6.5hp,4-stroke Honda motor, flow 15L/min, rate pressure 16MPa
Hammer mass	DPL 10kg, DPM 30kg, DPH 50kg, DPSH & SPT 63.5kg
Number of blows	15-30 blows per minute
Drop height	500/750mm, other drop height can be customized
Wheels	Dia.630mm
Cylinder stroke	1200mm
Lifting force	80kN
Dimensions	Main body: 880×740×1700mm, package 940×810×1830mm Power pack and accessories: package 1080×790×800mm
Weight	Main body: 220kg Power pack: 80kg

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STANDARD CONFIGURATION

No.	Item	Quantity	Remarks
1	Main body	1 set	
2	Power pack	1 set	
3	Drop weight	1 set	10 kg basic drop weight and 20 kg + 20 kg + 13.5 kg additional weights
4	Rod	Dia.22mm×1m	2 pcs
		Dia.32mm×1m	10 pcs
		Dia.32mm×20cm	1 pc
		10cm ²	1 pc
5	Cone 90°	15cm ²	1 pc
		16cm ²	1 pc
		20cm ²	1 pc
6	Split sampler	1 pc	Dia.51mm×1m
7	Lifting connector	1 pc	
8	Rod extraction clamp	1 pc	
9	Nylon spacer block	2 sets	
10	Toolkit	1 set	

