

UMSD – DYNAMIC PROBING RIG DPL, DPM AND DPH - 10, 30, 50 kg

UMSD Dynamic Probing Rig with the internal HONDA GX 100 combustion engine can be converted to different weight and drop standards. Modern and comfortable construction can be used for light, medium, heavy and super-heavy dynamic probing as well as for window sampling up to 80 mm.

In accordance with EN standards

The basic building unit is collapsible mast and associated with the base unit for adjustable wheels for easy movement of equipment at the worksite. To set the mast in vertical position you can use two adjustment knobs that turn causes an independent movement of the wheels and the mast.

At the base of the mast drivetrain working system is mounted, which consists of a Honda GX-100 engine and gears to transmit power to the chain stroke - lifting mechanism. The internal combustion unit the device is independent from external power supply sources and can be used even in various terrain conditions. On the mast you can find lifting mechanism, slide hammer assembly with brass anvil and stroke counter. Device can be equipped with a set of accessories (extension rods, cones, window samplers and extruder for rods) - according to the customer requirements.

Engine technical data:

HONDA engine GX - 100 1 cylinder

4-stroke

aircooled

capacity 0,097 dm³

power 1,9 kW

fuel unleaded E95

tank capacity 1,4 dm³



Penetrometer technical data:

weight	110	kg
total height	2350	mm
width	780	mm
transportation height (with folded mast)	1400	mm
dopuszczalne odchylenie masztu possible vertical inclination		
- side slope	10°	
- frontal slope	10°	
regulated number of strokes	15 - 30	blows per min
weights	10, 30 and 50	kg
drop height	500	mm