

TML PENETRATION TEST

Transportable moisture limit penetration test

THE PENETRATION TEST IS
A METHOD TO DETERMINE
CONSISTENCY OF FRESH
SOLIDS.

- Quick and efficient testing
- Ensures compliance with IMSBC Code promoting safety in maritime transport
- Easy adjustable settings using digital program
- Reproduceable results to provide quality data
- Portable design for on site testing



Description

A penetration test is done to determine whether the Transportable Moisture Limit has been reached based on the penetration depth of an indicator. The test is mostly suitable for mineral concentrates or other similar materials such as coal. With a maximum size of 25mm. The small cylinder is used for materials that have a maximum size of 10 mm or less. The large cylinder is for material with a size of 25 mm or less.

Test preparation

The sample is placed in a cylinder with a weight placed on top and then vibrated. If the weight sinks, the sample has a low shear strength. The Flow Moisture Point is determined on the basis of the penetration depth of the weight. Our TML penetration test machine completely follows the Transportable moisture limit norm according to the IMSBC code.

User friendly operation

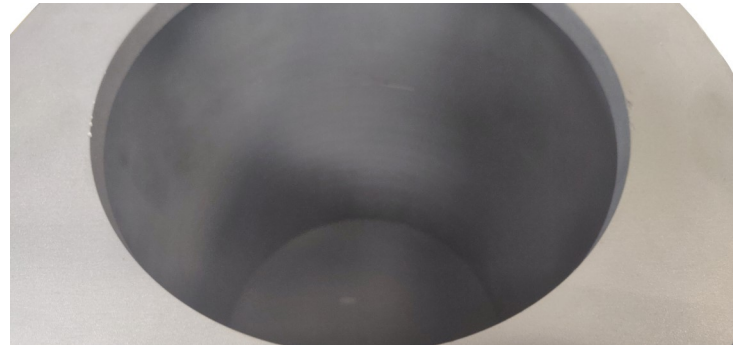
The transportable moisture limit penetration test machine is connected to our motor. The motor is operated with a display with touch screen that has built in user-friendly programs to control the machine. You can set the desired parameters for your test such as the amount of rpm and the running time.

Advantage

The biggest advantage of this machine is that all the actions will be the same and the results will be 100% accurate. Because there won't be any "human deviation" in the penetration action. The operator only needs to push the button to start the program.



TML Penetration test machine accessoires



TML Penetration test machine cylinder inside view



TML Penetration Test bits with soil sample material

Technical data

Power supply	220V ± 10% – 50/60Hz
Weight	Approximately 90 kgs
Noise emission	±80 dB(A)
Ambient temperature	5°C – 40°C
Atmospheric humidity	< 85% RH
Programs	Automatic control, hand control
Speed	1600 - 4006rpm
Time setting	5 sec - 99 days
Cylinder inner diameter	194mm (large) 146mm (small)
Cylinder wall thickness	10.3mm (large) 9.6mm (small)
Depth	253 (large) 202 (small)