

## Nail Penetration Test apparatus



### Description:

The test should be carried out under the ambient temperature coupler with a thermocouple battery (the contact of thermoelectric is fixed on the large surface of the battery) is placed in a fume hood. Use a  $\phi 2$ - $\phi 8$ mm non-corrosion steel needle to pierce the center of the largest surface of the battery at a speed of 10mm/s-40mm/s, and keep it for random time

### Parameters:

High temperature resistant steel needle	$\phi 2$ mm— $\phi 8$ mm, Length 100mm
Tip distance from bottom	The battery plane is 200mm
Clip distance	200mm
Speed	10—40mm/s, from the direction perpendicular to the battery plate (the pin stays in the battery)
penetrating power	150~200kg
Display	Pressure sensing LCD display
Range	200mm
Drive	Hydraulic drive
Safe	Made into box-type equipment device explosion-proof, fire prevention, corrosion resistance, easy to clean
Puncture space	500*500*445(mm)



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Inner box material	Stainless steel and in the box 1/3 place with teflon sol cloth, high temperature resistance, corrosion resistance, insulation and easy to clean
Weight	About 100kg
Power supply	1φ220V , 50HZ

### Standard:

IS 16805: 2018, MT/T 1051 SAE ,QC/T473/744