

Vacuum clamping plate for measuring arm

The latest product developed in the Witte Vacuum department

is designed to be used in conjunction with a mobile measuring arm as a solid and reliably fixed base.

An internal miniature vacuum pump achieves a maximum result for secure clamping within seconds as the clamping plate sucks to the surface. Warning lights, dial gages and a manometer guarantee a safe operation during

the measuring process.

A variety of grids on the plate top surface enable the mounting of all known mobile measuring arms. The Witte vacuum clamping plate is fully self sufficient and needs no supply cables or wires to disturb the operating process.

This gives the operator total flexibility in where measuring can be carried out as long as there is a non porous surface to work from.

The rubber seal is designed to cater for slightly curved rough surfaces.

Vacuum clamping plate
article number # 282446

Dimensions: 260 x 80 mm

Weight: 5 Kgs

Clamping force:
maximal 4200 Newton
at sea level

Battery Charger*: 100 to 240 volt

Battery pack* power: 12 volt
Light diodes indicate energy supply:
RED - Battery level low – Charge
YELLOW - Battery level half full
GREEN – Battery level fully charged

Should the battery level drop below the safe operating level then a signal will warn the operator.

End vacuum is adjusted to 200 mbar which equals 80%

(*): Parts are included in delivery

Vacuum Clamping Systems
Modular Fixturing Systems for measuring





Contents and user details.

- 1 ON / OFF switch
- 2 Indicators for battery charging levels
Red / Yellow / Green
- 3 Vacuum indicator dial
- 4 Threaded bores for the different types of measuring arms
- 5 Battery charger input plug
- 6 Vacuum release screw
(Take care to support measuring arm when screw is released)
- 7 Seal on Vacuum plate base

Six steps on how to operate:

- 1 - Place plate on clean worksurface.
- 2 - Make sure Vacuum release screw is fastened (closed)
- 3 - Switch on using ON/OFF switch (wait 5 seconds for vacuum to reach operating mode)
- 4 - Check battery status red/yellow/green LED'S
- 5 - Read Vacuum dial gage value must read 0,7 – 0,8
- 6 - Attach measuring arm and measuring operation can begin.

Witte –
Specialist for

Modular
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Subcontracting

Vacuum clamping
technology

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