

# Operating Manual

## Vibrating Table

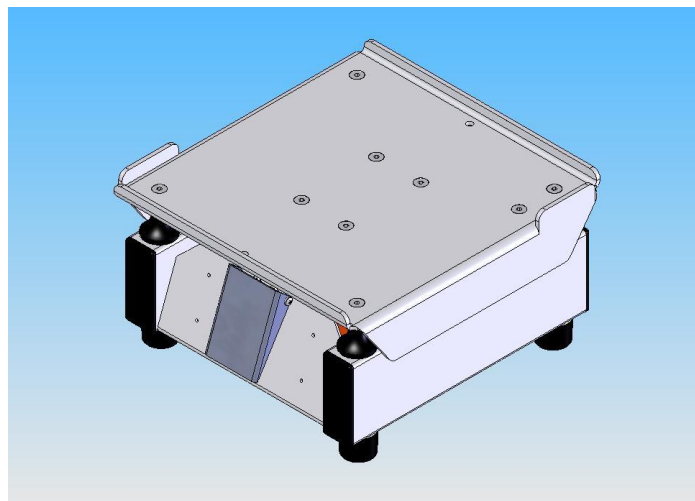
350 x 350 mm

3000 min-1

12 Volt

for connection to a car cigar plug

ON/OFF switcher in the case



## Importance of this Operating Manual:

The operator must read and understand this entire Operating Manual before putting the machine into operation.

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## Enclosures:

- 1 sheet: Testing and Measuring Record
- 1 sheet: European Union Declaration of Conformity
- 1 sheet: Circuit diagram

## **1. Basic instructions**

### **1.1 Purposes for which this Vibrating Table may be used**

This Vibrating Table may be used only for compaction of fresh concrete that has been filled into moulds.

The user must by all means observe the operating instructions, requirements, the limit values, and the safety instructions contained in this Operating Manual.

Any use of this Vibrating Table with Pedal Switch that is not in conformity with the operating instructions, requirements, the limit values, and the safety instructions contained in this Operating Manual shall be considered as a use not in conformity with the intended purpose of this Vibrating Table.

If the user needs to operate this Vibrating Table in a special manner, or under special conditions, which are not in conformity with the operating modes and conditions as set forth in this Operating Manual, then he must first obtain the advice and approval from the Manufacturer.

### **1.2 Conditions under which this Vibrating Table may not be used**

This Vibrating Table with Pedal Switch is not designed for operation under the following conditions, and may therefore not be used in such cases:

- The Vibrating Table must not be used on a surface that is not level.
- The Vibrating Table must not be used on a surface that cannot safely support its weight or the forces that it produces.
- The Vibrating Table may not be subjected to unbalanced loads or weights (i.e., loads or weights only on one side).
- The Vibrating Table may not be used under dangerous, adverse, or any other unfavourable conditions.
- Persons must not step or stand on the table while it is in operation, or while it is shut off.

### **1.3 Guarantee / warranty**

Our General Terms of Sales and Delivery apply in all cases.

The Manufacturer guarantees that this Operating Manual has been prepared in conformity with the technical and functional parameters of the Vibrating Table with Pedal Switch as delivered. The Manufacturer reserves the right to add supplementary information to this Operating Manual.

The guarantee provided by the Manufacturer is the legal guarantee. This guarantee does not cover wear-and-tear parts.

The Manufacturer guarantees trouble-free operation only if the user observes the instructions in this Operating Manual, and only if the user employs the Vibrating Table with Pedal Switch for the purpose for which it is intended (see Section 1.1 above).

The Manufacturer shall not be liable for damages that may occur if the Vibrating Table with Pedal Switch is used for purposes for which it is not intended (see Section 1.2 above), or if the user does not observe the instructions and rules for operation as set forth in this Operating Manual.

No claims for damages may be lodged against the Manufacturer if the Vibrating Table with Pedal Switch is modified in its structural or constructional characteristics without the prior written consent of the Manufacturer, or if its functional characteristics are modified without such consent.

## **1.4 Description of the Vibrating Table with Pedal Switch**

### **1.4.1 Mechanical features**

The Vibrating Table with Pedal Switch is constructed of robust steel plate. The surfaces are powder-coat finished.

### **1.4.2 Electrical requirements and characteristics**

The electric power provided to the Vibrating Table must have the following ratings: **12V**

The foot-hand switch switches this Vibrating Table on and off by connecting and disconnecting one pole of its drive motor from the power supply.

The supply comes from a standard car cigar plug

## **2. Basic safety instructions**

### **2.1 Obligations of the operator / user**

Persons may operate the Vibrating Table alone only if they have fulfilled all of the following requirements:

- They must be at least 18 years old.
- They must have been instructed in the proper operation of the Vibrating Table with Pedal Switch.
- They must have received written authorization from their plant management to operate the Vibrating Table with Pedal Switch.

The operator of the Vibrating Table with Pedal Switch is responsible to ensure that he or she does not endanger himself/herself or any other persons in the operation of this equipment.

**If any deficiency, shortcoming, trouble, or damage to the Vibrating Table with Pedal Switch could impair its operating safety, it must be immediately shut down. It may be used again only after all sources of danger have been eliminated.**

### **2.2 Danger in work with the Vibrating Table with Pedal Switch**

This Vibrating Table with Pedal Switch has been designed and built in accordance with the state of the engineering art and with the accepted rules of good engineering practice. The use of this Vibrating Table with Pedal Switch, however, can cause danger to life and limb of the user and third parties. It can also cause damage to mechanical parts or to other objects of value. To prevent such damage, the Vibrating Table with Pedal Switch may be used only:

- For the purposes for which it was intended (see Section 1.1 above)
- If it is in completely satisfactory technical condition with regard to safety in operation.

If there are any malfunctions or other trouble that could cause dangerous situations to arise in work with the Vibrating Table with Pedal Switch, these difficulties must be immediately corrected before working with the machine.

Vibrating Table  
350 × 350 mm / 3000 rpm  
2.0270

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### **3. Equipment delivered**

Vibrating Table, ready for operation to a car cigar plug, with a power cable

### **4. Technical data**

Dimensions:	350 x 350 x 200 mm
Table size:	350 x 350 mm
Weight:	approx. 19.6 kg
Class of enclosure protection:	IP-55
<u>Motor:</u>	
Required power supply:	12V
Current rating:	13,3A
Power rating:	0.16 kW
Motor speed:	3,000 rpm

The root-mean-square (RMS) value for acceleration to which the upper parts of the operator's body is subjected is not more than 2.5 m/s<sup>2</sup>.

### **5. Transport and protection at all locations**

If you wish to transport the Vibrating Table to another location, or to load it onto a vehicle, you can do so manually if you wish. Or, you can stand it on a pallet vertically and pick it up with a fork-lift.

Be sure to protect the Vibrating Table at all times from the effects of the weather and climate.

## 6. Placing the Vibrating Table into operation

Important	put the vibrating table in operation only with running car engine
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Be sure to set up the Vibrating Table on a level surface which can satisfactorily support its weight and the vibration forces.

Place a filled concrete mould on the centre of the vibratory plate of the table, and hold it securely by hand.

Start the vibration function by using the foot-handl switch.

During the vibration process, the operator must hold the concrete mould securely by hand.

After the desired time has lapsed, or after it has become visually apparent that the desired results have been achieved, stop the vibration function by using the switch again.

## 7. Inspection and maintenance

The only maintenance work required for the Vibrating Table is to remove any concrete that may have become adhered to the equipment.

Important	German Accident Prevention Regulation VBG 4, in its version dated 1 April 1979, requires that electrical equipment that can be moved from place to place be tested approx. every six (6) months in accordance with the measurement instructions as described in VDE 0701 Pos. 1-4.
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## 8. Troubleshooting

Warning	Work on such electrical equipment may be performed only by suitably trained specialist personnel.
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In case of malfunction, disconnect the Vibrating Table from the power supply.

The Vibrating Table contains no built-in systems to protect against excess current or fault current.

For more detailed troubleshooting and the correction of faults, please consult our detailed Operating Manual and the enclosed Connection Diagram.

## **8. After-sales service**

Great care was taken to assure that this Operating Manual was properly prepared. We cannot, however, guarantee that it has no mistakes, or that all data are complete and correct in the event of technical modifications.

### **8.1 Date of this version of the Operating Manual**

Version no. 8  
Apr 2008

### **8.2 Copyright**

The copyright to this Operating Manual is held by:

TESTING Bluhm & Feuerherdt GmbH

This Operating Manual is intended for use only by the User and his/her staff. It contains instructions and data that may NOT be:

- Reproduced,
- Distributed, or
- Provided to any third party.

Any person acting in violation of the above stipulations may be prosecuted before a court of law.

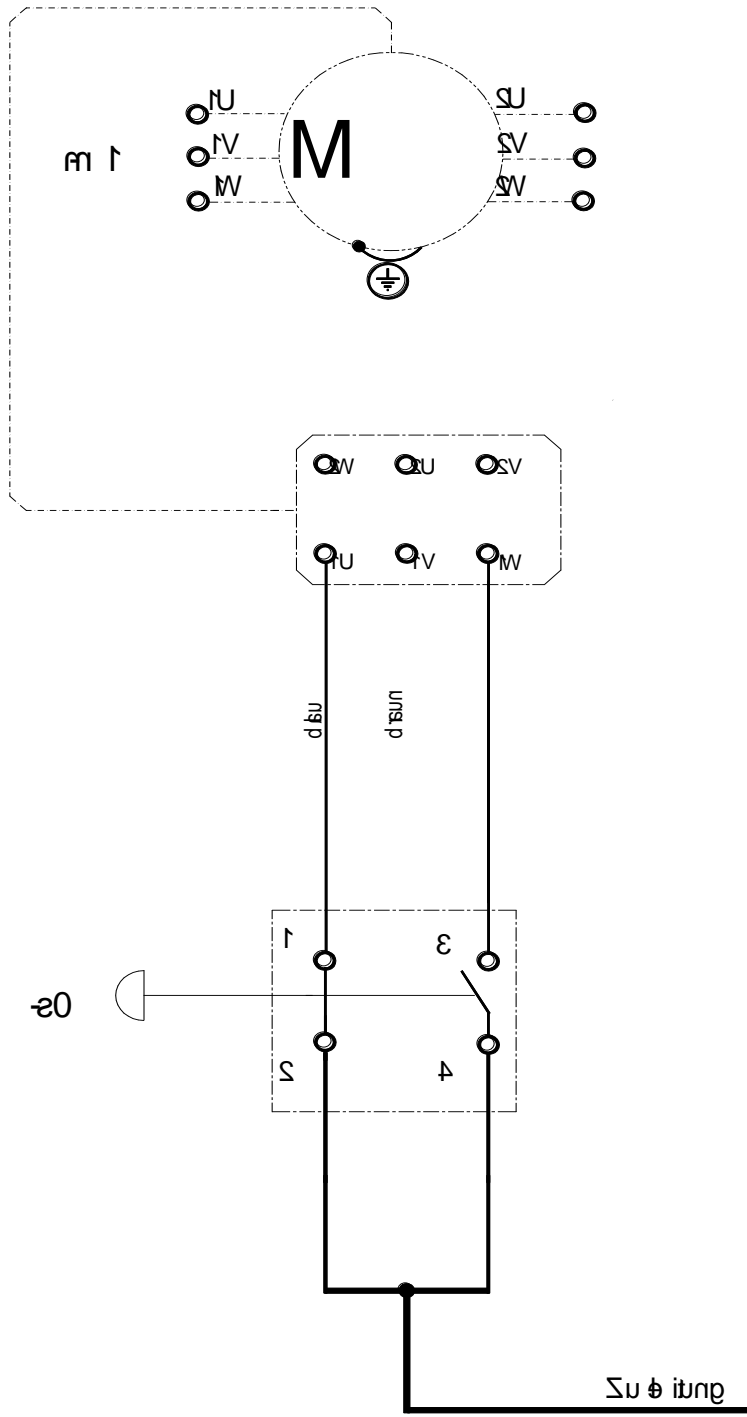
### **8.3 Spare parts and technical help**

If you have any questions of technical nature, or if you need spare parts, please get in touch with the following address:

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