



# Shipping Instructions

## HighPower-MicroSpotMonitor-HighBrilliance (HP-MSM-HB)

### NOTICE

Danger of damage during transport

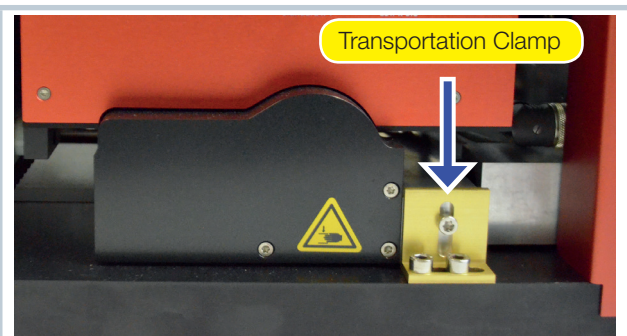
Incorrect packaging can damage the device during transport.

- ▶ Transport the device in its original case from PRIMES only.
- ▶ Observe the following instructions for shipping.

## 1 Installing the transportation clamp

The transportation clamp secures the camera cassette to the base plate of the device and prevents misalignment of the axes due to mechanical influences. The misalignment of the camera cassette has a direct influence on the adjustment of the fiber bridge.

1. Move the device into the parking position via software (LDS) (menu: Presentation-> Position-> Move to parking position).
2. Install the transportation clamp with three M4x10 cylinder head bolts.

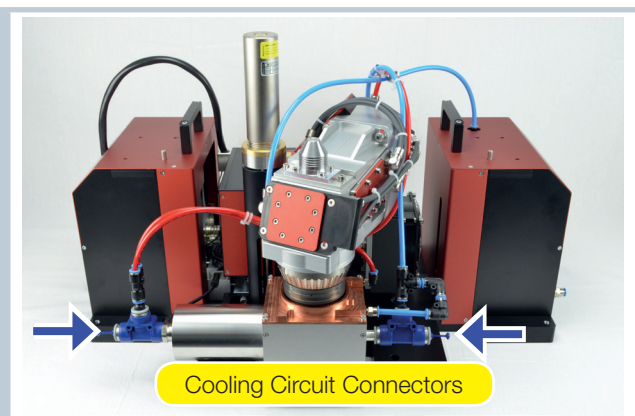


## 2 Draining the cooling circuit of the HP-MSM-HB

The cooling circuit of the HP-MSM-HB must be completely drained. Storage or transport at a temperature that is close to or below freezing can lead to damages due to the formation of ice, if the cooling circuit is not completely empty.

1. Drain the cooling circuit completely.

You may use compressed air to purge the cooling circuit of the HP-MSM-HB.





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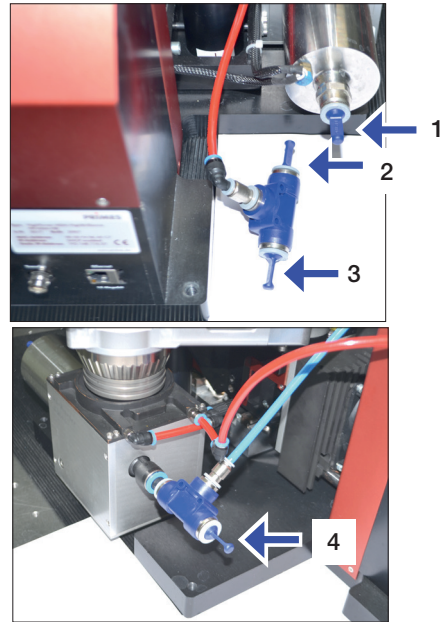
### HighPower-MSM-HighBrilliance HP-MSM-i

### 3 Sealing the cooling circuit of the HP-MSM-HB

Even if the cooling circuit has been drained completely, a small amount of residual water remains inside the device. This water could escape during transport and could damage the electronics of the device.

1. Seal the connecting plugs of the cooling circuit by using of the enclosed plugs.

A total of 4 plugs with 12 mm outer diameter are required.



### 4 Draining the cooling circuit of the PowerLossMonitor

The cooling circuit of the PLM must be completely drained. Storage or transport at a temperature that is close to or below freezing can lead to damages due to the formation of ice, if the cooling circuit is not completely drained.

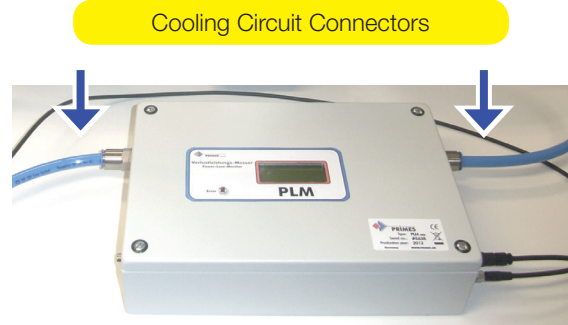
#### NOTICE

**Danger of damage of the flow rate meter.**

The flow rate meter is not designated for high rotational speed.

- ▶ **Do not use compressed air to purge the cooling circuit.**

1. Remove cooling circuit hoses.
2. Drain the cooling circuit completely.
3. Seal the connectors of the cooling circuit using the enclosed plugs.






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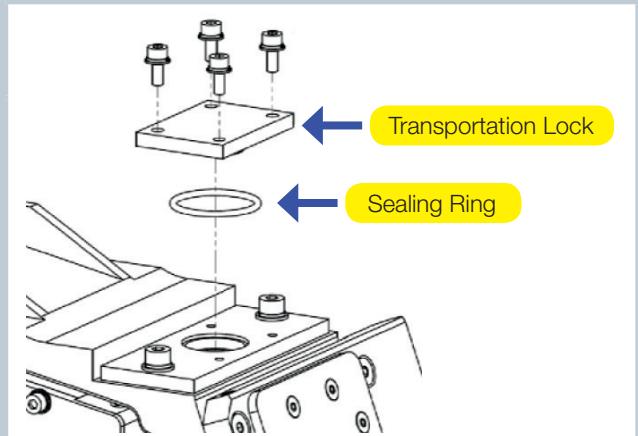
### HighPower-MicroSpotMonitor-HighBrilliance (HP-MSM-HB)

#### 5 Sealing the aperture of the HB objective

The magnetically held alignment tool may fall off during shipping. This could allow dirt to enter the objective. The objective of the HP-MSM-HB must therefore be sealed for shipping with the enclosed black transportation lock.

 Before opening the aperture, the compressed air must always be turned on!

1. Turn on the compressed air.
2. Remove the alignment tool.
3. Install the transport lock and the sealing ring with 4 cylinder head bolts M3x8.
4. Turn off the compressed air.



#### 6 Packing the device

Pack the device completely in a plastic wrap to avoid contamination with particles from the case padding foam. Place the packaged unit in the PRIMES transport case and close the cover with all casps.

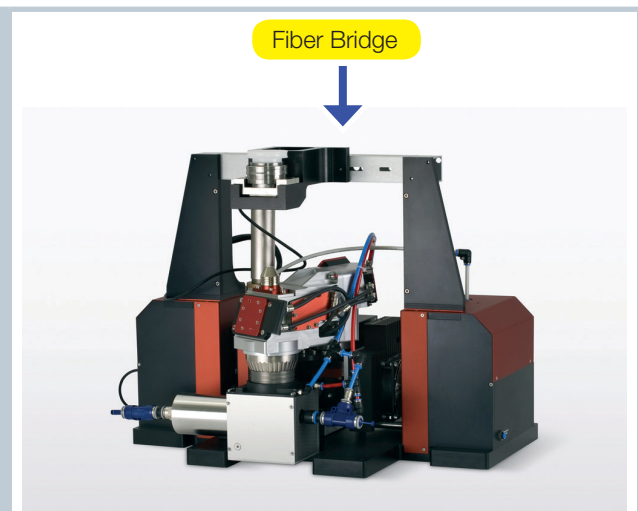
#### 7 Check completeness

All accessories must be completely enclosed.

#### 8 Fiber Bridge (Option)

The fiber bridge belonging to the device must be enclosed with each service shipment. During mechanical work on the HP-MSM-HB a correct alignment of the bridge to the device can not be guaranteed.

1. Uninstall the fiber bridge.
2. Pack the fiber bridge separately.





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#### 9 Reason for shipment

Please tell us the reason for submitting your device, this will simplify the necessary organizational procedures.

Service

Calibration

Repair

Defect description: