



Adjustment of position transmitter 3145.032

Calibration in min load position

- Put the compressor slide valve in the zero position (fully unloaded).
- Adjust the zero position by turning the **zero adjusting screw** (if you facing the sensor – on your right hand) **clockwise** to and include batch 93-21.
- Adjust the zero position by turning the zero adjusting met screw (if you facing the sensor – on your right hand) **anti clockwise** from and include batch 93-22.
- The batch number is the last two digits in the serial number.
- Turn and look at the slide position indication at the same time.
- Always adjust from a higher value towards 0%

Check the 0% position with a Volt meter (DC) between the following terminals :

By the PROSAB II Controller		
Connection 1	Connection 2	Correct value
Terminal block 3.13 Capacity slide terminal 10 (+)	terminal 23 (- side)	0,4 VDC

By the UNISAB S-control Controller		
Connection 1	Connection 2	Correct value
Terminal 41 (+)	terminal 42 (- side)	0,4 VDC

Calibration in max load position

- Put the compressor slide valve in the zero position (fully loaded position).
- Adjust the zero position by turning the **Spin adjusting screw** (if you facing the sensor – on your left hand) **clockwise**.
- Turn and look at the slide position indication at the same time.
- Always adjust from a lower value towards 100%



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Check the 100% position with a Volt meter (DC) between the following terminals :

By the PROSAB II Controller		
Connection 1	Connection 2	Correct value
Terminal block 3.13 capacity slide valve terminal 10 (+)	terminal 23 (- side)	2,0 VDC

By the UNISAB S-control Controller		
Connection 1	Connection 2	Correct value
Terminal block 41 (+)	terminal 42 (- side)	7,0VDC

By auto VI compressors and the sensor 3145.032 is used on the auto VI indication

By the PROSAB II Controller		
Connection 1	Connection 2	Correct value
Terminal block 3.13 VI slide valve terminal 11 (+)	terminal 24 (- side)	2,0 VDC

Important:

Return the capacity slide valve to the Minimum position and check if the zero adjustment is still satisfactory.

If not , adjust again to on zero and span as described – continue until the adjusting is satisfactory.

Note:

For correct calibration is it important, that the compressor hold the full load position.

If you compressor is not steady in the 100% position - try to hold the slide valve position with nitrogen pressure – if that is still unsuccessful – check you slide valve piston sealing – probably is the piston seal leaking and your problem is mechanical as well.



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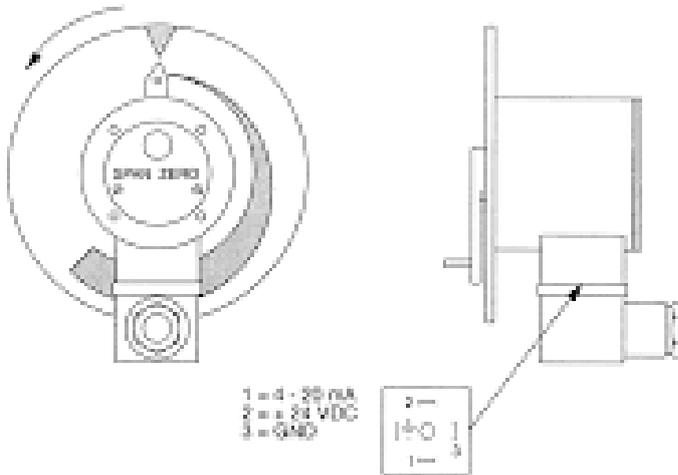
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How to install the part load sensor 3145.032:



Connections:

- 1= output 4- 20 mA
- 2= power supply 24 VDC
- 3= Common / ground
- 4= not used

In case your transmitter 3145.032 is totally out of range.

Correction Method by sensor to and include Batch 93-21

- Dismount the cover
- Turn the zero adjusting screw min 35 turns clockwise (very important)
- Turn the zero adjusting screw min 12 turns anti clockwise
- Turn the span adjustment screw min 35 turns clockwise (very important)
- Turn the span adjustment screw min 15 turn anti clockwise

Correction Method by sensor from and include Batch 93-22

- Dismount the cover
- Turn the zero adjusting screw min 35 turns anti clockwise (very important)
- Turn the zero adjusting screw min 12 turns clockwise
- Turn the span adjustment screw min 35 turns clockwise (very important)
- Turn the span adjustment screw min 15 turn anti clockwise