

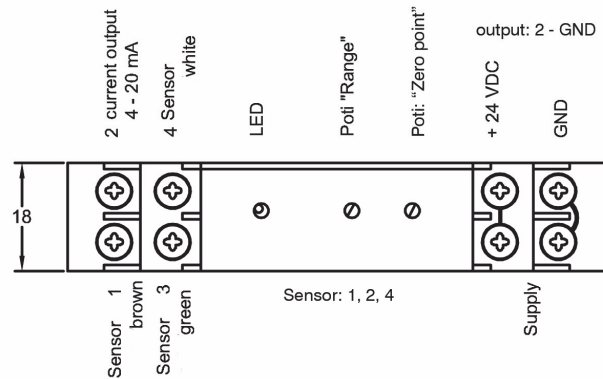
Installation and Operation Instructions vent-captor 3505(3506) + 3022.30/xx



Please read carefully: No liability for any damage resulting from improper handling of the sensor.

2.4 Powering Up

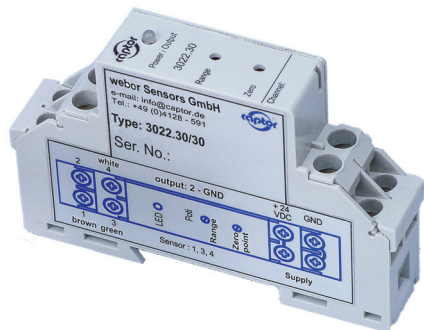
Connect the vent-captor to 24 VDC as in connection diagram and wait approx. 5 minutes before starting the adjustment



3.0 Initial State

- 3.1 The zero point potentiometer P2 is factory set to approx. 4 mA.
- 3.2 The measuring range potentiometer is at the right stop, i.e. max. measuring range (> nominal range).
- 3.3 With factory range setting (according to customer specification), both potentiometers are sealed. The sensors are adjusted under our test channel conditions. Output signal deviations - with other, customer conditions - cannot be excluded.

Attention: 18-turn potentiometers have no mechanical limit stop.



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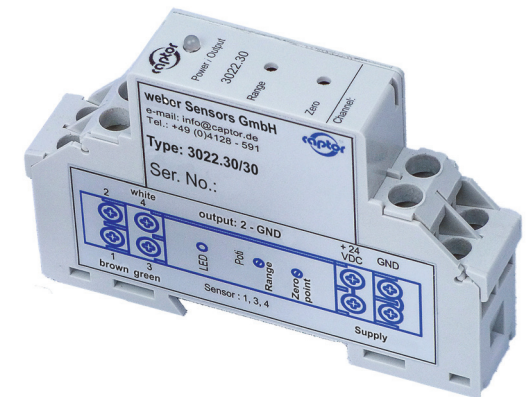
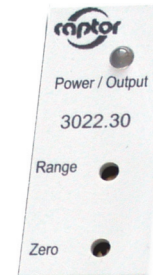
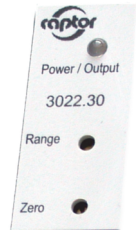
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4.0 Adjustment Procedure

4.1 Zero point adjustment in stationary medium: Adjust potentiometer P2 after **5 minutes** so that $I_{out} = 4$ mA.

i.e. if $I_{out} > 4$ mA turn pot. P2 slowly to the left
if $I_{out} < 4$ mA turn pot. P2 slowly to the right.

4.2 Measuring range setting at maximum flow, which corresponds to 20 mA. After at least 3 minutes of flow, set potentiometer P1 so that $I_{out} = 20$ mA. If $I_{out} > 20$ mA, LED lights red; turn P1 slowly to the right; if $I_{out} < 20$ mA, LED lights green. Turn P1 slowly to the left.



4.3 Check Zero Point and Range

Check zero flow adjustment and measuring range adjustment as described in point 4.1 and 4.2 and make corrections if necessary.

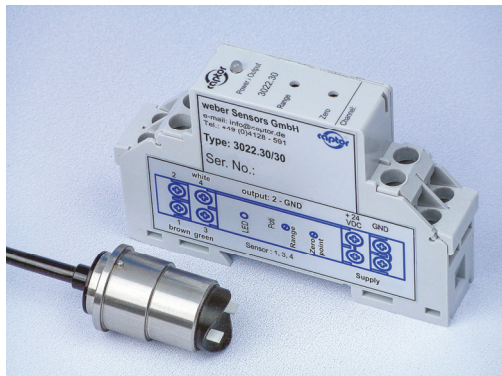
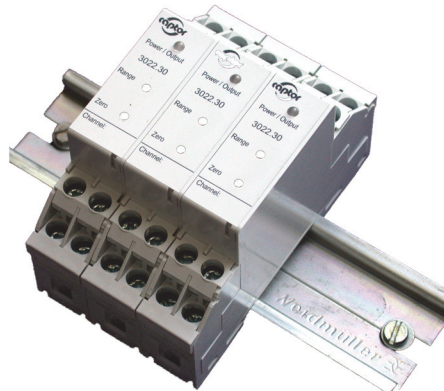
4.4 Green LED signals current output range up to 20 mA. If the measuring range is exceeded ($I_{out} > 20$ mA), the LED shines red.

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1.0 Type specification

1.1 vent-captor type designation and serial number are printed on electronic housing.

2.0 Installation Instructions

2.1 Installation depth of sensor is defined by the fitting

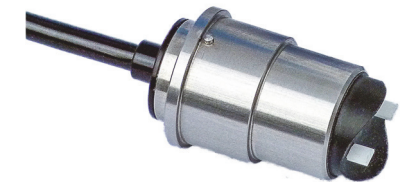
2.2 Orientation

Align the sensing elements so that they are parallel to the direction of flow as illustrated below.



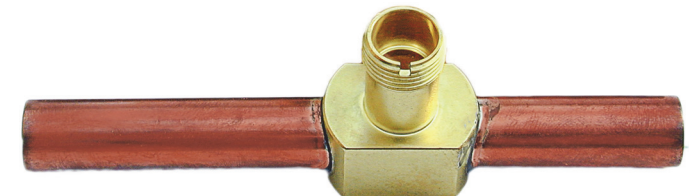
Type 3505

Type 3506



2.3 Installation of type 3505 (3506)

Insert the sensor into the corresponding fitting. The sensor is firmly screwed in using the union nut supplied. It is advisable to use the fitting designed for this sensor.



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