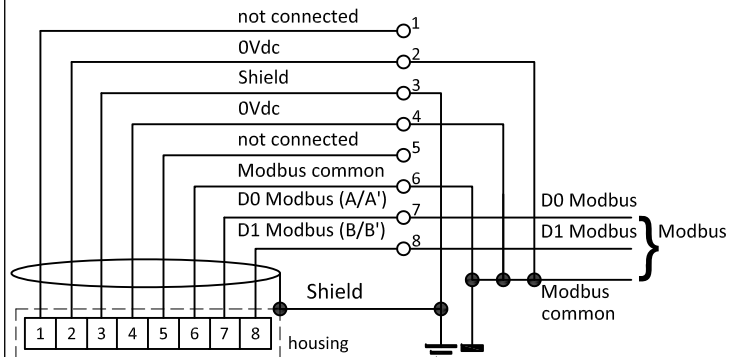


# Modbus

## E-8000 CEM Controller Hook-up diagram

### Modbus connection



1 2 3 4 5 6 7 8

RJ45 modular jack

### Model key explanation

#### Front Panel

- 0 Blind
- 1 1 Display with operator function

#### Rear Panel

##### W... CEM

#### Ext. Analog Setpoint and Output

- 0 none
- A 0-5 Vdc
- B 0-10 Vdc
- F 0-20 mAdc sourcing
- G 4-20 mAdc sourcing
- Z specified

#### Analog sensor

- T PT100 Temperature
- Z specified

#### Analog actuator

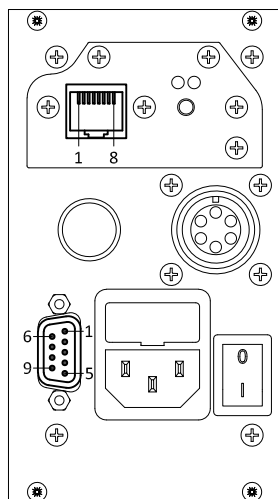
- U W100/W200
- V W300
- Z specified

Bus option  
Modbus M

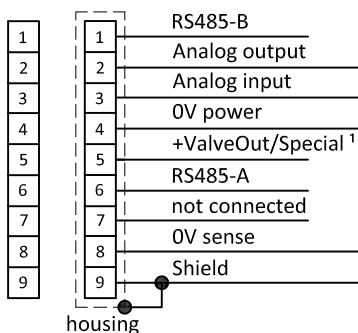
E-8 n n n - M - n W a a a - .....

RJ45 modular jack

9 pin D-Sub  
connector  
chassis part  
male



Note: Shown image is W100/W200.

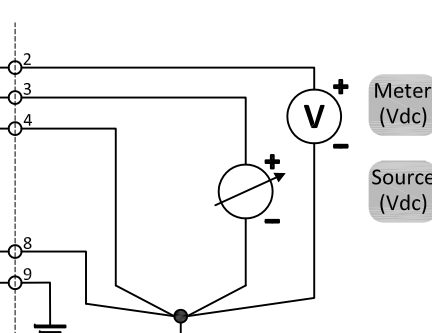


9 pin D-Sub  
connector  
chassis part  
male

9 pin D-Sub  
connector  
cable part  
female

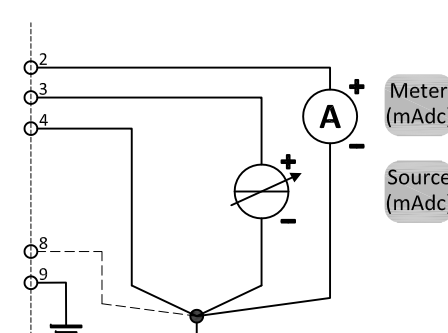
Note:  
Do not connect an external valve to the instrument.

Note:  
1) +Valve out is 0-10Vdc 1mA.



Analog operated  
0-5 or 0-10Vdc

Note:  
When using a field bus or RS232, it is not possible to operate the instrument by using the setpoint signal of the analog D-sub connector without changing the value of parameter "control mode". See doc.nr. 9.17.023 for more details.



Analog operated  
0-20 or 4-20mAdc