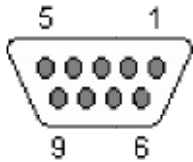**VEMS EGT (K-thermocouple) amplifier** in a DSUB9 connector housing.
www.vems.hu VEMS Webshop ("Genboard / input amplifiers" category)

Dsub9 female (front view)

DSUB9 (Male on amplifier with male securing screw) **pinout**:

1. : +12v supply (+11 .. 15V supply, ~50mA) red wire recommended
2. : -
3. : -
4. : -
5. : GND (blue wire recommended)
6. : EGT 4: 0-5V output for dataloggers. 1V/233.3C = 1167C @ 5V
7. : EGT 3: 0-5V output for dataloggers. 1V/233.3C = 1167C @ 5V
8. : EGT 2: 0-5V output for dataloggers. 1V/233.3C = 1167C @ 5V
9. : EGT 1: 0-5V output for dataloggers. 1V/233.3C = 1167C @ 5V

Pin6..Pin9 (1V/233.3C) **datalogger outputs,** impedance is 43k.
The (1V/233.3C) is specified for a datalogger with high input impedance (10 MOhm or higher). The datalogger might need calibration anyway, especially if datalogger input impedance is lower than 1 MOhm (low input impedance of the connected datalogger makes output voltage lower, in other words need higher temp for same output voltage). Easy to calibrate with a DVM, measuring pin7 and comparing to datalogger results. Approximate values: pin6 output slope in function of connected datalogger's input impedance

- 1V/233.3C (inf)
- 1V/234.3C (10 MOhm)
- 1V/243.4C (1 MOhm)

www.VEMS.hu