

A Affects:

- Control Voltage PWM-Signal

These following values determine the performance of a PWM signal speed-controlled pump.

Pump speed	Control voltage
0%	~9,8 V
10%	~8,8 V
20%	~7,8 V
30%	~6,8 V
40%	~5,85 V
50%	~4,88 V
60%	~3,92 V
70%	~2,93 V
80%	~1,97 V
90%	~0,97 V
100%	~0,003 V

- **Measurement procedure:**

Test point: terminal block designation 15: GND
terminal block designation 16: Y12

Measurement range: AC Voltage 0-20V



These values were measured and confirmed by following instruments: FLUKE 83 and FLUKE 87

Note: Values measured with other instruments may differ and not be correct.

Important note:

All work is only allowed to be performed by trained specialist personnel; the local safety regulations must be complied with in all cases; in the event of a conflict and/or contradiction between these regulations and the working instructions in this document (e.g. impairment) then the local regulations should be adhered to in any event and the working instruction should not be carried out; WINDHAGER ZENTRALHEIZUNG GMBH, ÖSTERREICH does not accept any liability for any injury to persons or damage to property caused by incorrectly following the instructions and/or violating the local safety regulations! Subject to modifications. No liability is accepted for errors in translation.