

Isolation amplifier VEW 7407 RED

Redesign

The isolation amplifier VEW 7407 RED is a fully function terminal- and installation-compatible redesign of the original amplifier by the manufacturer Knick.

The circuit technique complies with the most modern standards with wide range DC-DC-converters for auxiliary power, so that instead of the interconnections for 12V, alternatively 24V, supply of the original device, a universal DC-input was built in, which can be connected to a power supply of 9V up to 36VDC.

The input $0 \dots \pm 120\text{mV}$ (opt. $0 \dots \pm 60\text{mV}$) is galvanically separated from the outlet $0 \dots \pm 20\text{mA}$ (10V), as well as from the power supply.

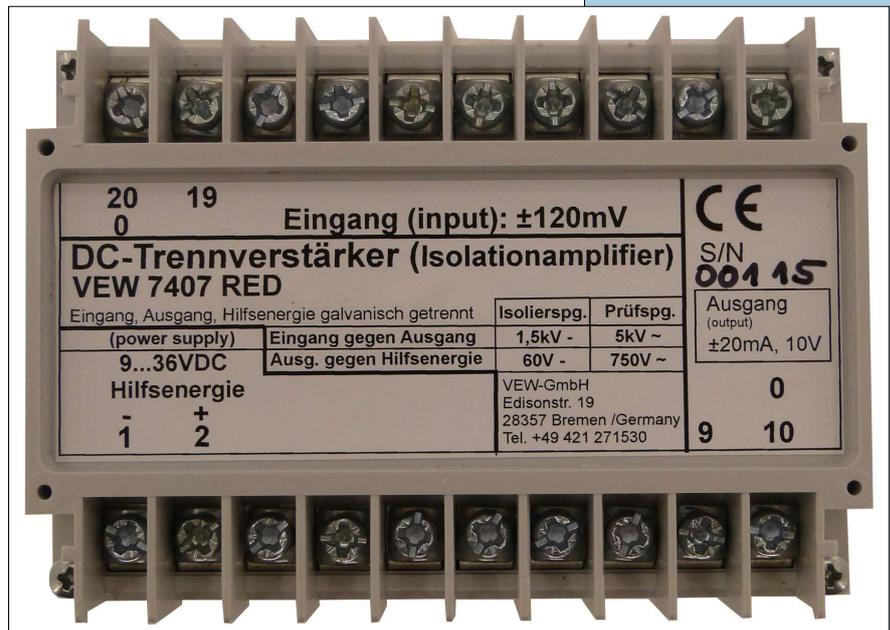
The input voltage $0 \dots \pm 120\text{mV}$ is imaged proportionally analogous at the outlet with $0 \dots \pm 20\text{mA}$ ($0 \dots 10\text{V}$, 500Ω).

The transmission error is $< 0,5\%$ of the measured value.

The devices are built into a 100mm circuit board mounting casing for tophat rail mounting.

Each device bears the CE-marking, a serial number and will be delivered with a individual inspection report.

Insulation testing is performed with 5kV.



Technical data:

Auxiliary power	: 9...36VDC, 12V or 24VDC
Input	: $0 \dots \pm 120\text{mV}$, optional $0 \dots \pm 60\text{mV}$
Output	: $0 \dots \pm 20\text{mA}$, $0 \dots 10\text{V}/500\Omega$
Accuracy	: $< 0,5\%$
Linearity	: $< 0,1\%$
High isolation voltage	: input//output $> 1,5\text{kV}$ ($5\text{kV} \sim$) output//auxiliary power $> 60\text{V}$ ($750\text{V} \sim$)



DIE ENTWICKLER

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