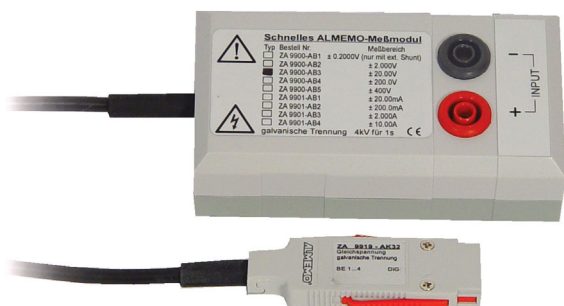


ELECTRICAL VARIABLES

ALMEMO® Measuring Modules for DC Voltage and DC Current ZA 9900 AB / ZA 9901 AB



Technical Data:

Accuracy:	0.1% of fin. val. ±2 digits
Sampling rate:	1 kHz
Resolution:	12bit, ±2048 digits
Meas. period/transient time:	0.1s
Measuring cycle, maximum:	14h
Electrical isolation:	1kV permanent, 4kV for 1s
Housing:	polystyrene, dimensions L100 x W54 x H31mm
Sockets:	touchproof, Ø 4mm
Operating voltage:	6 ... 14V through ALMEMO® device
Current consumption:	< 40mA (connector and module)

- ▶ Acquisition of the momentary, maximum, minimum and average value, plus transferring data of each measuring point scan to the ALMEMO® device.
- ▶ DC voltage or DC current signal are scanned with 1kHz.
- ▶ Pure digital data transmission to the measuring instrument.
- ▶ Connector sockets electrically isolated and overvoltage-protected.



Types (incl. touchproof connecting cable):

DC Voltage:

Measuring range	Resolution	Overload	Internal resistance	Order no.
±2.000 V	0.001V	±400 V	800 kΩ	ZA9900AB2
±20.00 V	0.01V	±500 V	1 MΩ	ZA9900AB3
±200.0 V	0.1V	±500 V	1 MΩ	ZA9900AB4
±400 V	1V	±1000 V	4 MΩ	ZA9900AB5

DC Current:

Measuring range	Resolution	Overload	Internal resistance	Order no.
±20.00 mA	0.01mA	±0.1 A*	10 Ω	ZA9901AB1
±200.0 mA	0.1mA	±1 A*	1 Ω	ZA9901AB2
±2.000 A	0.001A	±10 A*	0.1 Ω	ZA9901AB3
±10.00 A	0.01A	±20 A*	0.01 Ω	ZA9901AB4

*Without fuse, overload condition only up to 1 minute maximum

DC via external shunt:

Measuring range	Resolution	Overload	Internal resistance	Order no.
±200.0 mV	0.1mV	±40 V	50 kΩ	ZA9900AB1

01/2011 We reserve the right to make technical changes.