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Input overvoltage protection	350 V _{DC}
Isolation voltage	1 kV _{RMS} ³⁾
Sensor supply	±9 V (±1 %), 12 V (±5 %), 200 mA resettable fuse protected ⁴⁾
Output voltage	±5 V
Output resistance	10 Ohm
Maximum output current	5 mA
Output protection	Short to ground for 10 sec.
Power On default settings	Software programmable
Power supply	±9 V _{DC} ±1 %
Power consumption	1.1 W without sensor supply
Special functions	Integrated temperature sensor
RS-485 interface	Yes
TEDS	Hardware support for TEDS (Transducer Electronic Data Sheet)
Supported TEDS chips	DS2406, DS2430A, DS2432, DS2433, DS2431
Supported MSI	MSI-V-ACC, MSI-V-RTD

¹⁾ Conditions for accuracy: Module temperature is calibration temperature ±5 °C; humidity is 30 to 90 RH.

AC accuracy: the highest filter (2 MHz) has to be activated. f = signal frequency in kHz.

For the 2 year accuracy multiply all % of range and % of reading values by 1.5.

²⁾ 2 MHz filter: exclusively for Butterworth 60 dB/decade - refer to filter specifications. Please consider possible bandwidth limitation of further components in the measuring chain, e.g. A/D card or signal conditioning mainframe.

³⁾ Although the rated input voltage is 33 V_{RMS}, 46.7 V_{PEAK} or 70 V_{DC} according to EN-61010-1 and EN-61010-2-30, the galvanic isolation has been tested with 1 kV_{RMS} for 1 min.

⁴⁾ Overall current should not exceed DEWE-30-xx maximum power.

NEW

DEWE2

Dedicated Instruments

Instruments

Front-ends

Signal Conditioning

Components

Software