

SIQUAD Pt100 4

Characteristics

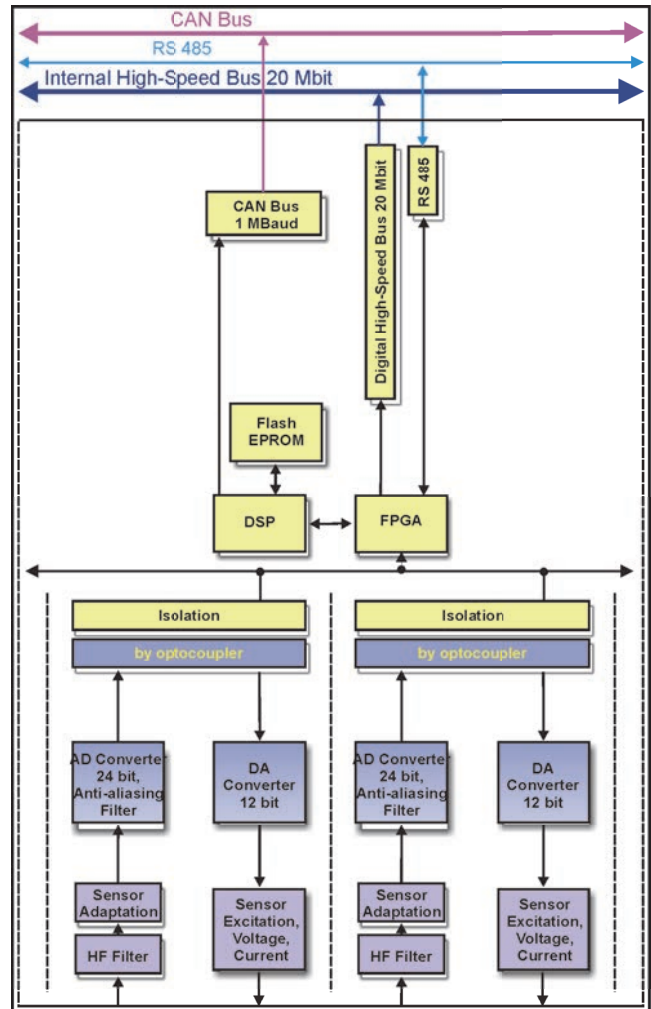
The SIQUAD *Pt100 Amplifier* offers computer-controlled signal conditioning of RTD sensors. It has 1 DSP per unit. Signal output is digital via Ethernet and CAN and optional with high precision via analog outputs. Parameter setting is done with the software DaSoft. Signal filtering can be configured from 3..3000 Hz at 10 kS/s sample rate.



Technical Data

Channels/unit	4, isolated
AD converter	24 bit / channel
Sample rate	10 kHz
Band width	3 kHz
Analog output optional	± 10 V / 12 mA (short proof) 16 bit resolution
Digital output	SPI (internal), CAN
Input protection	± 5 V, ESD IEC 1000-4-2
Supply voltage	+5 V / 450 mA
Environmental temperature	0..+50 °C
Range	-100 to +100, +200, +500, +1000 °C
Accuracy	± 0.05 %
Input impedance	10 MΩ
Differential input	Yes
Sensor supply	1 mA

Block Diagram (exemplary for 2 channels)



Dimensions

19" plug-in unit, 3 U height, 5 U width, depth 160 mm

Ordering Code

SIQUAD-Pt100 4- 1. - 2.

1. Terminal	
BB5	5-pole Binder socket (standard)
2. Options output	
4 AO BNCR	4 analog outputs wired to back panel with BNC sockets
4 AO BNCF	4 analog outputs wired to front panel 10 U with BNC sockets parallel to input sockets