

Product Information

SIQUAD Poti4

Characteristics

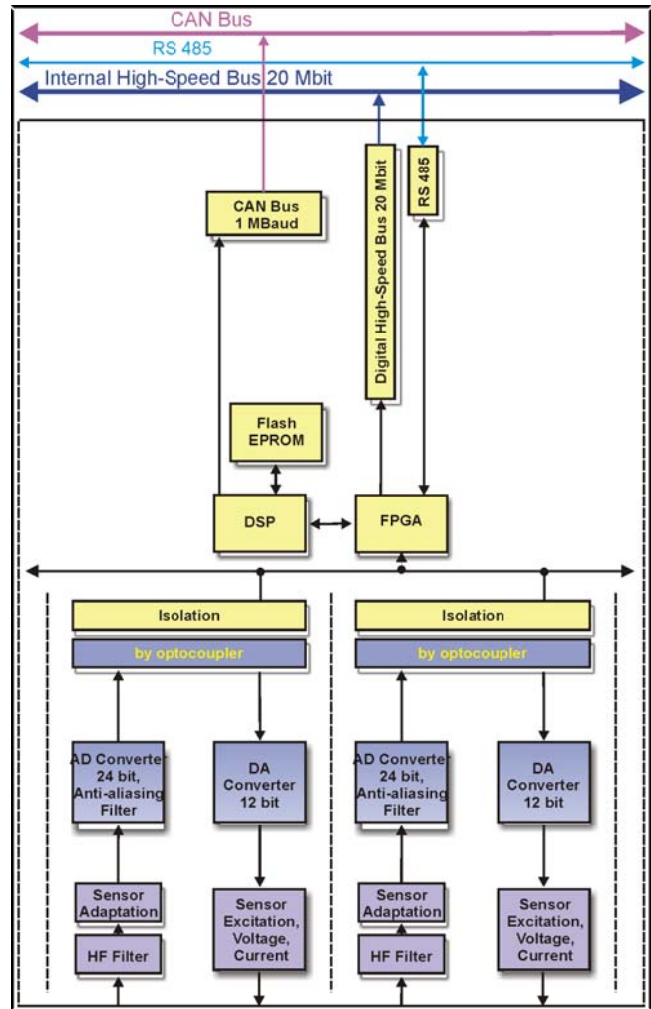
The SIQUAD *Potentiometer Amplifier* offers computer-controlled signal conditioning of potentiometers. It has 1 DSP per unit. Signal output is digital via Ethernet and CAN and optional with high precision via analog outputs. Parameter setting is done with the software DaSoft. Signal filtering can be configured from 3..3000 Hz at 20 kS/s sample rate.



Technical Data

General	Channels/unit	4, isolated
	AD converter	24 bit / channel
	Sample rate	20 kHz
	Band width	5 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
Potentiometer	Environmental temperature	0..+50 °C
	Range	6.25, 12,5, 25, 50, 100 %
	Accuracy	± 0.05 %
	Input impedance	10 MΩ
	Differential input	Yes
	Sensor supply	5 V (50 mA)
	Connection	Automatic 3-/5-wire switch

Block Diagram (exemplary for 2 channels)



Dimensions

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

Ordering Code

SIQUAD-Poti4- 1. - 2. -

1. Terminal	
BB7	7-pole Binder socket (standard)
LB7	7-pole Lemo socket
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