

**Product Information**

# SIQUAD ICP4

## Characteristics

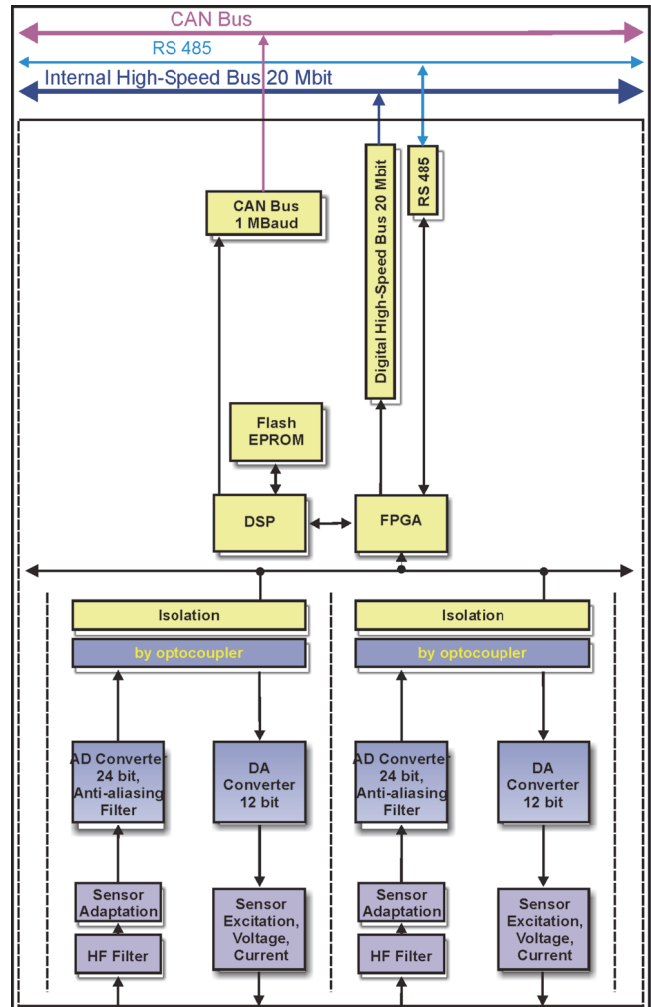
The **SIQUAD ICP4 Amplifier** offers computer-controlled signal conditioning of piezo-electric sensors. It has 1 DSP per unit. Signal output is digital via Ethernet and CAN and optional with high precision via analog outputs. Parameter setting is done with the software DaSoft. Signal filtering can be configured from 3..3000 Hz at 20 kS/s sample rate.



## Technical Data

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	± 100 V, ESD IEC 1000-4-2
Supply voltage	+5 V / 450 mA
Environmental temperature	0..+50 °C
Range	1, 2, 5, 10 V
Accuracy	± 0.05 %
Input impedance	1 MΩ
Differential input	Yes
Sensor supply	4 mA (at 24 V)

## Block Diagram (exemplary for 2 channels)



## Dimensions

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

## Ordering Code

SIQUAD-ICP4-  1. -  2.

<b>1. Terminal</b>	
BNC	BNC socket (standard)
LB7	7-pole Lemo socket
<b>2. Options output</b>	
4 AO	4 analog outputs wired to back panel with BNC sockets
4 AO	4 analog outputs wired to front panel 10 U with BNC sockets parallel to input sockets