

CAN Compact Modules

Characteristics

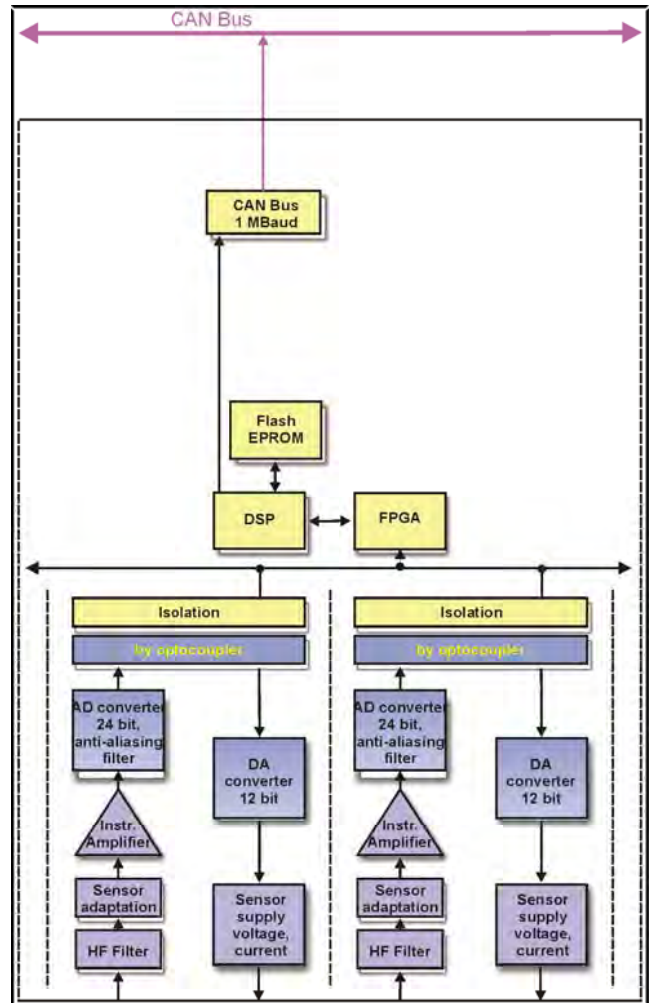
The SIQUAD **CAN Compact Modules** offer computer-controlled signal conditioning of various sensors. There are a universal or sensor-specific amplifiers available. It has 1 DSP per amplifier unit. Signal output is digital via CAN. Protocol is CAN 2.0B. Parameter setting is done with the software DaSoft via a USB-to-CAN interface. Signal filtering can be configured from 3..3000 Hz at 20 kS/s sample rate.



Technical Data

General	Accuracy	see sensors
	Channels/unit	4, 2x4, isolated (8, 2x8, isolated inputs with common ground)
	AD converter	24 bit / channel
	Sample rate	max. 20 kHz
	Band width	max. 5 kHz
	Digital output	CAN
	Input protection	± 80 V, ESD IEC 1000-4-2
	Supply voltage	9..36 V DC
Environmental temperature	0..+50 °C	
Thermo-couples J,K	Range	-100 to +100, +200, +500, +1000 (1200) °C
	Accuracy	± 0.1 % (without CJC)
Pt100	Range	-100 to +100, +200, +500, +1000 °C
	Accuracy	± 0.1 %

Block Diagram (exemplary for 2 channels)



Dimensions

VCS: 130 x 250 x 45 mm, 130 x 130 x 45 mm (WxHxD)
 VCD: 130 x 250 x 75 mm, 130 x 130 x 75 mm (WxHxD)
 depending on type of amplifier

Ordering Code

56-VCS-C-XXX-Y-N-24V-Z with 1 amplifier card
 56-VCD-C-XXX-Y-N-24V-Z with 2 amplifier cards
 XXX = TC, Type J, K, a.A.; PT;
 N = 1x4=4, 2x4=8, 1x8=8, 2x8=16 channels
 Z = Box H, Flange L, DIN-rail T