

DASIM TF2

Characteristics

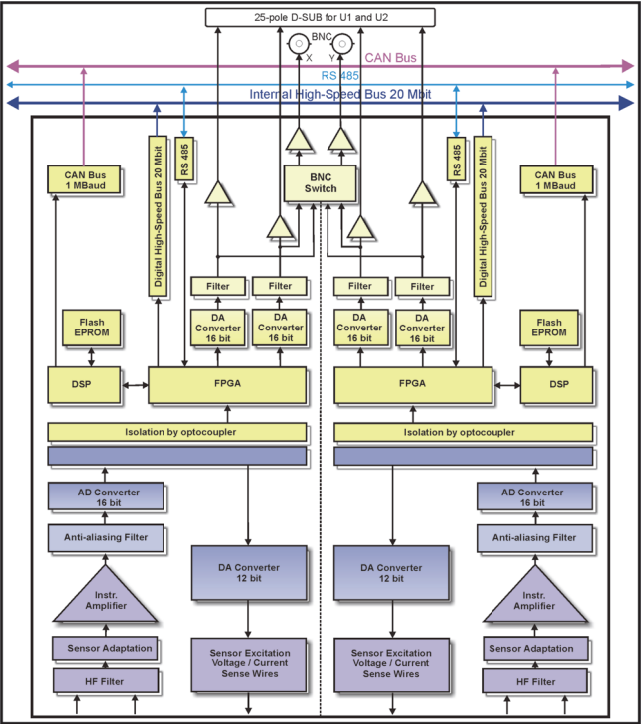
The **DASIM CF Amplifier** offers computer-controlled signal conditioning of strain gauge bridges and inductive sensors. It has 1 DSP per channel. Signal output is with high precision via analog outputs and digitally via Ethernet and CAN. Parameter setting is done with the software DaSoft. Signal filtering can be configured from 10..1000 Hz.



Technical Data

General	Accuracy	see sensors
	Channels/unit	2, isolated
	Sample rate	40 kHz
	Carrier frequ.	5 kHz
	Band width	1 kHz
	Analog output	± 10 V / 12 mA (short proof) 2 outputs/channel 16 bit resolution
	Digital output	SPI (internal), CAN
	Input protection	± 15 V, ESD IEC 1000-4-2
	Supply voltage	+15 V / 70 mA -15 V / 65 mA +5 V / 320 mA
	Environmental temperature	0..+50 °C
Strain gauge bridges, inductive torque meters, inductive sensors (LVDT)	Range	0.25, 0.5, 1, 2, 4, 5, 10, 25, 50 mV/V for sensor supply 5.0 V _{eff}
		0.5, 1, 2, 4, 8, 10, 20, 50, 100 mV/V for sensor supply 2.5 V _{eff}
		1.25, 2.5, 5, 10, 20, 25, 50, 100 mV/V for sensor supply 1.0 V _{eff}
		2.5, 5, 10, 20, 40, 50, 100, 250, 500 mV/V for sensor supply 0.5 V _{eff}
	Accuracy	± 0.1 %
	Sensor supply	0.5, 1, 2.5, 5 V _{eff} (50 mA)
	Type of bridge	full bridge, half bridge, (quarter bridge with jumper), min. 120 Ω

Block Diagram



Dimensions

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

Ordering Code

DASIM-TF2

Model
5 kHz carrier frequency