

**Product Information**

**DASIM TF2**

**Characteristics**

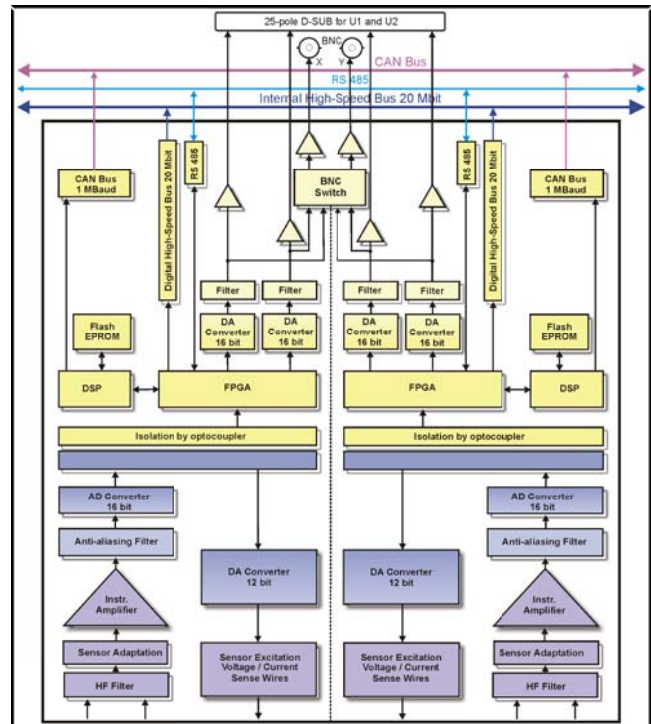
The **DASIM CF Amplifier** offers computer-controlled signal conditioning of strain gauge bridges and inductive sensors. It has 1 DSP per channel. Signal output is with high precision via analog outputs and digitally via Ethernet and CAN. Parameter setting is done with the software DaSoft. Signal filtering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



**Technical Data**

<b>General</b>	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
<b>Strain gauge bridges, inductive torque meters, inductive sensors (LVDT)</b>	Range	0.25, 0.5, 1, 2, 4, 5, 10, 25, 50 mV/V for sensor supply 5.0 V <sub>eff</sub>
		0.5, 1, 2, 4, 8, 10, 20, 50, 100 mV/V for sensor supply 2.5 V <sub>eff</sub>
		1.25, 2.5, 5, 10, 20, 25, 50, 100 mV/V for sensor supply 1.0 V <sub>eff</sub>
		2.5, 5, 10, 20, 40, 50, 100, 250, 500 mV/V for sensor supply 0.5 V <sub>eff</sub>
		Accuracy
Sensor supply	0.5, 1, 2.5, 5 V <sub>eff</sub> (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**

<b>Model</b>	5 kHz carrier frequency
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