



General

The HEIM DATaRec 4 Series represents a total modular data acquisition and signal conditioning concept which can be tailored to various applications. The modular design provides the basis to configure large multi channel systems as well as small systems for mobile applications. The HEIM DATaRec 4 Series is the result of a continuous and consequent development of data acquisition systems. Many years of expertise and experience in both the automotive as well as the flight test market have been the starting point for the development of the new family incorporating state of the art technology.

Analogue signals

HS310-0120	DIC24	24 analogue input channels up to 50 kS per channel AC, ICP ^{TM*}
HS310-0125	DIC24DC	24 analogue input channels up to 50 kS per channel DC
HS310-0010	DIC6B	6 analogue input channels up to 200 kS per channel AC (0.2 Hz), DC, ICP ^{TM*}
HS310-0010/1	DIC6B	with analogue low / high pass filter
HS310-0011	DIC6B	6 analogue input channels up to 200 kS per channel AC (2 Hz), DC, ICP ^{TM*}
HS310-0011/1	DIC6B	with analogue low / high pass filter
HS310-0015	DIC6L	6 analogue input channels up to 200 kS per channel AC (0.2 Hz), DC, ICP ^{TM*} differential input support
HS310-0015/1	DIC6L	with analogue low / high pass filter

HS310-0016	DIC6L	6 analogue input channels up to 200 kS per channel AC (2 Hz), DC, ICP ^{TM*} differential input support with analogue low / high pass filter
HS310-0016/1	DIC6L	
HS310-0030	CHG6	6 charge input channels up to 200 kS per channel
HS310-0030/1	CHG6	with analogue low / high pass filter
HS310-0060	DEBU	4 analogue input channels up to 200 kS per channel AC (0.2 Hz), DC, ICP ^{TM*} + 2 ASE/EBU input channels
HS310-0660/1	DEBU	with analogue low / high pass filter
HS310-0061	DEBU	4 analogue input channels up to 200 kS per channel AC (2 Hz), DC, ICP ^{TM*} + 2 ASE/EBU input channels
HS310-0061/1	DEBU	with analogue low / high pass filter
HS310-0140	SGU9 ¹⁾	9 analogue input channels for strain gauge up to 25 kS per channel
HS310-0150	OUT6 ¹⁾	6 analogue output channels up to 200 kS per channel
HS310-3390	ANH100	2 analogue input channels + 2 analogue output channels up to 25 MS per channel AC, DC
HS310-3395	ANH101	1 analogue input channel + 1 analogue output channel up to 75 MS per channel AC, DC

Technical Specification HEIM DATaRec[®] 4 Signal Modules Overview

HS310-3360	VCR100	4 video input channels + 4 audio input channels up to 15 MBit/s data rate per channel MPEG-2 compression	HS310-3300	ETH100	2 Ethernet input or output channels 10 T, 100 T, 1 Gbit/s
HS310-3380	VCP100	4 video output channels + 8 audio output channels up to 15 MBit/s data rate per channel MPEG-2 decompression	HS310-3035	MRG100	8 PCM input or output channels up to 30 Mbit/s through put, packed and unpacked mode
Digital signals			HS310-3510	UAR100	8 dual-redundant channels MIL 1553 input channels
HS310-3060	ARR100	24 ARINC429 input channels	HS310-3550	UAP100	8 dual-redundant channels MIL 1553 output channels
HS310-3070	ARP100	24 ARINC429 output channels	This overview is for general guidance only. There is detailed information available for each individual interface module. Please contact ZODIAC Data Systems GmbH.		
HS310-3260	ASM100	8 serial input or output channels 112.5 Baud – 230.4 Kbaud	1) currently under development		
HS310-0130	CAN4	4 CAN input channels			

Applications



Miniature system
Single module system with direct link to the PC via USB 2.0



Distributed multi channel system
Remotely located groups of modules (up to 768 channels)



Compact system
Centralized acquisition system with up to 768 channels



Decentralized system
Base system, module extender and external storage

MH-Gesellschaft für Hardware / Software mbH

Schloss Lechenich / Schlossstraße 18 D-50374 Erfstadt
Tel.: +49 2235 60 95 – Fax: +49 2235 60 97
info@mh-gmbh.de - <http://www.mh-gmbh.de>



ZODIAC Data Systems GmbH

Friedrich-Ebert-Strasse / TechnologiePark – D-51429 Bergisch Gladbach
Tel.: +49 2204 84 41 00 – Fax: +49 2204 84 41 99
info.heim@zodiac-aerospace.com – <http://www.zodiac-data-systems.com>

