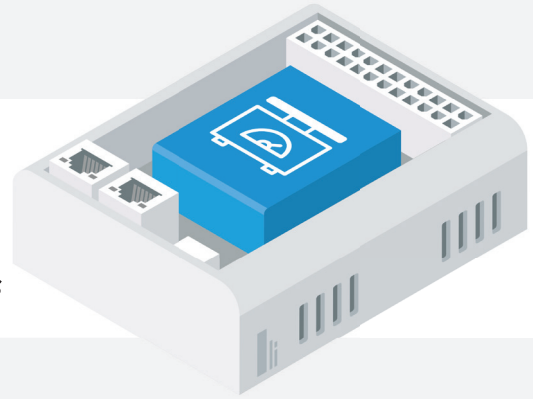


Technical data sheet

DE-CONscale

Weighing electronics for DMS / digital loadcells



General data

Power supply	24 V DC [nominal voltage]
Permitted voltage range	20 - 36 V DC
Residual ripple	max. 200 mVss
Power consumption [typical]	
DE-CONscale	ca. 3,8 W [ca. 135 mA @ 24V DC]
Power IO-Voltage	24 V DC [nominal voltage]
Permitted voltage range	20 - 36 V DC
Fuse F1 [24 V DC Power Supply]	1 A delayed fuse [Type: Littelfuse 0154.001 DRT]
Polyswitch [24 V DC external]	max. 600 mA
Max. ambient temperature (Operating)	0°C - +50°C
Storage temperature	-20°C - +85°C
Relative humidity	85% without condensation
Weight	ca. 350 g
Dimensions	ca. 187 mm x 143 mm x 69 mm [L x B x H]
Installation position	any
Protection class	IP20 (IP65)
EMV, CE	according to EN61000-6-2 Interference immunity according to EN55011, Kl. B Emission

Processor + Memory

CPU	ARM Cortex M4
SDRAM	8 MB
FLASH	4 MB
NVRAM [SPI]	128 KB
Serial EEPROM	4 MB
Watchdogtimer	Yes

Interfaces

1x RS485/422	in RS422 Mode fixed termination in RS485 Mode switchable with termination
3x RS485	switchable with termination
Electrical isolation	500 V
1x USB [Mini-USB]	USB 1.1 (no electrical isolation)
2x Ethernet [RJ45]	10/100 MBit/s with switch function
Supported protocols	Profinet Modbus TCP Ethernet IP EtherCAT Profibus RK512 OPC UA Serial fieldbusses

DMS - Loadcell (direct connection)

1x Analogue input	Max. 4 DMS-Loadcells in 4/6-wire-technology [resolution 24 Bit]
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Digital Loadcells

Supported manufacturers	HBM Bizerba Pesa K-Tron Mettler Toledo Eilsersen Others on request
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IO's

4x Digital inputs	24 V nominal voltage; according to DIN EN 61131-2 Typ 1
1x Impulse input	0 -10 kHz
4x Digital outputs	Changeover contacts
Switching voltage	max. 42 V DC / 30 V min. 1 V @ 1 mA
Contact rating	max. 3 A
Switching power	max. 80 VA
Electrical isolation	500 V
1x Analogue output	0-10 V or 0-20 mA (adjustable per software) [resolution 16 Bit]

Would you like to learn more about our products? We look forward to advising you.



DEMIC Datentechnik GmbH
Ohlenhohnstraße 48, 53819 Neunkirchen
Phone: +49 2247 91890
E-Mail: kontakt@demic-datentechnik.de