## Loggito technical data

## All data overview



Channel type	8 AI-RTD	8 AI	4 AI-RTD	4 Al	
Analog inputs	8	8	4	4	
Appropriate for RTDs	4	0	2	0	
Sensors	mV, mA, therm	ocouples, RTD	s (no RTDs with ch	nannel types 8 AI and 4 AI)	
Total sampling rate	0.1 Hz 500 H	Z			
Voltage measurement range	±78 mV ±10 \	V			
Current measuring range	0 20 mA / 4 shunts)	20 mA / ±	20 mA / any (with	freely selectable externa	
Resistance measurement range	0 49 kΩ				
Resolution/Type ADC	24 bit Sigma-Delta				
Input impedance	> 5 G <b>Ω</b>				
Dielectric withstand voltage (tolerable overvoltage)	±24 VDC				
Max. differential voltage channel to channel	±24 VDC				
Galvanic isolation against FE	±400 VDC				
Precision of current and voltage measurement	0.01% from up	per range valu	е		
Prescision resistance measurement		-	e (4-wire connection r additional offset o	on), 0.1% from upper rang determination)	
RTD precision	0.1 K (4-wire co	onnection), 1 k	(3-wire connection	n)	

Thermocouples precision      Separate		1 1 1 37 -				
Input signal   Now: 0 1 V / high: 3.6 100 VDC@3.5 mA    Frequency measuring range   Input   10 w: 0 1 V / high: 3.6 100 VDC@3.5 mA    Frequency measuring range   Input   2.2 Hz 500 Hz    Counter width   64 bit    Max. switching voltage / 50 V / 2.5 A for 2 seconds, 250 mA continuous current current    PWM basic frequency / 100 Hz / 1:20    duty cycle   Loggito Logger   Loggito USB    Interfaces   LAN	•	< 1.5 K (internal reference junction) after compensation				
Frequency measuring range input of 4 bit input of 5 0 V / 2.5 A for 2 seconds, 250 mA continuous current of 4 bit input of 4 b	inputs or rather Digital / PWM outputs	2 2 2	2			
Max. switching voltage / current 50 V / 2.5 A for 2 seconds, 250 mA continuous current   PWM basic frequency / duty cycle 100 Hz / 1:20   Galvanic isolation ±400 VDC against FE / other channel groups   Modul type Loggito Logger Loggito USB   Interfaces LAN 100 Base-Tx -   WLAN 802.11b/g/n, max. 72 MBit/s (optional) -   USB device - mini socket 2.0 low/full/high speed 2.0 low/full speed   USB host - type A socket 2.0 low/full/high speed -   Protocols WA server   Data storage 4 / 8 GB (approx. 30 million measurement values per GB) -   External USB, NFS, CIFS, (S)FTP -	Input signal	low: 0 1 V / high: 3,6 100 VDC@3,5 mA				
Max. switching voltage / current  PWM basic frequency / duty cycle  Galvanic isolation		0.2 Hz 500 Hz				
current  PWM basic frequency / duty cycle  Galvanic isolation	Counter width	64 bit				
duty cycle   Galvanic isolation ±400 VDC against FE / other channel groups   Modul type Loggito Logger Loggito USB   Interfaces   LAN 100 Base-Tx -   WLAN 802.11b/g/n, max. 72 MBit/s (optional) -   USB device - mini socket 2.0 low/full/high speed 2.0 low/full speed   USB host - type A socket 2.0 low/full/high speed -   Protocols TCP/IP Modbus TCP server & client, OPC UA client, OPC UA server   Data storage 4 / 8 GB (approx. 30 million measurement values per GB) -   External USB, NFS, CIFS, (S)FTP -		50 V / 2.5 A for 2 seconds, 250 mA continuous current	ent			
Modul type Loggito Logger  LAN  100 Base-Tx  - WLAN  802.11b/g/n, max. 72 MBit/s (optional)  - USB device - mini socket  USB host - type A 2.0 low/full/high speed socket  Protocols  TCP/IP  Modbus TCP server & client, OPC UA client, OPC UA client, OPC UA server  Data storage  Internal  4 / 8 GB (approx. 30 million measurement values per GB)  External  technical  Loggito USB  Loggito USB  Loggito USB  Loggito USB		100 Hz / 1:20				
Interfaces  LAN 100 Base-Tx -	Galvanic isolation	±400 VDC against FE / other channel groups				
LAN 100 Base-Tx - Substitution 100 Base-Tx - Sub	Modul type	Loggito Logger	Loggito USB			
WLAN 802.11b/g/n, max. 72 MBit/s (optional) -  USB device - mini 2.0 low/full/high speed 2.0 low/full speed socket  USB host - type A 2.0 low/full/high speed - socket  Protocols  TCP/IP Modbus TCP server & client, OPC UA client, OPC - UA server  Data storage  Internal 4 / 8 GB (approx. 30 million measurement values per GB)  External USB, NFS, CIFS, (S)FTP - C	Interfaces					
USB device - mini 2.0 low/full/high speed 2.0 low/full speed socket  USB host - type A 2.0 low/full/high speed - socket  Protocols  TCP/IP	LAN	100 Base-Tx	-			
Socket  USB host - type A 2.0 low/full/high speed socket  Protocols  TCP/IP Modbus TCP server & client, OPC UA client, OPC UA server  Data storage  Internal 4 / 8 GB (approx. 30 million measurement values per GB)  External USB, NFS, CIFS, (S)FTP -  General technical	WLAN	802.11b/g/n, max. 72 MBit/s (optional)	-			
Protocols  TCP/IP Modbus TCP server & client, OPC UA client, OPC UA server  Data storage  Internal 4 / 8 GB (approx. 30 million measurement values per GB)  External USB, NFS, CIFS, (S)FTP -  General technical		2.0 low/full/high speed	2.0 low/full speed			
TCP/IP Modbus TCP server & client, OPC UA client, OPC UA server  Data storage  Internal 4 / 8 GB (approx. 30 million measurement values per GB)  External USB, NFS, CIFS, (S)FTP -  General technical		2.0 low/full/high speed	-			
Data storage  Internal 4 / 8 GB (approx. 30 million measurement values per GB)  External USB, NFS, CIFS, (S)FTP -  General technical	Protocols					
Internal 4 / 8 GB (approx. 30 million measurement values per GB)  External USB, NFS, CIFS, (S)FTP -  General technical	TCP/IP		-			
per GB)  External USB, NFS, CIFS, (S)FTP -  General technical	Data storage					
General technical	Internal		-			
	External	USB, NFS, CIFS, (S)FTP	-			

## Technical specifications | Delphin Technology AG

Dimensions	approx. L 95 mm x W 67 mm x H 65 mm				
Weight	approx. 220 g approx. 170 g				
Fixing	mounting rail DIN EN 60715 or screw mounting horizontally / vertically or upwards				
Connecting terminals	plug-in spring terminals, max. 24 terminals in 2 roo conductor cross-section (rigid / flexible) 0.2 2.5 mm²				
Temperature range	-20 60° C				
Humidity	max. 90 % relative humidity, non-condensing				
Supply voltage	12 24 VDC / ±10 %	5 VDC (via mini USB connector)			
Power input	max. 7.5 watts	max. 2.5 watt			