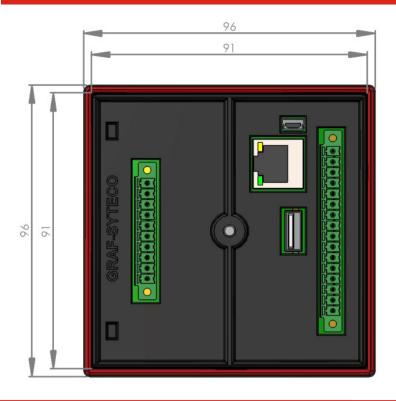
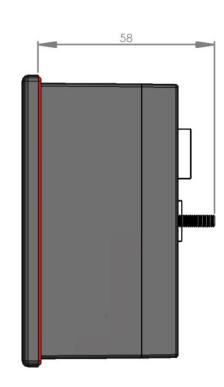


DIMENSIONAL DRAWING







PERFORMANCE CHARACTERISTICS

- ⇒ 8,9 cm (3,5") QVGA-TFT
- ⇒ visible face (70 mm x 52 mm)
- ⇒ 320 x 240 pixel / 25536 colors
- ⇒ 400 MHz ARM processor
- ⇒ 64 MB RAM / 32 MB Flash / 8kB FRAM
- ⇒ 4 illuminated touch keys with status LED
- ⇒ 2 x ISO11898 CAN interface
- ⇒ USB Host / USB Device
- ⇒ RS485 interface (Modbus RTU)
- ⇒ load-dump resistant

BENEFIT

The D1000 is a flexible operating terminal with 4 illuminated

The active illumination of the buttons allows identification of machine conditions and availability. The operating device is programmed via the GDS software with the basic settings and the presentation of the visualization can be changed as needed.

The device is available in five different interface versions.

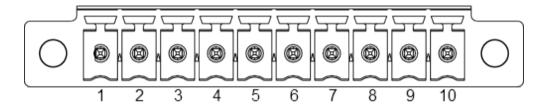
TECHNICAL DATA D1000_2								
Display								
Display type	TFT-color grafic display 320 x 240 pixel (QVGA) 8,9 cm	Backlighting	LED, white, 400 cd/m²					
Visible face	70 mm x 52 mm (3,5")	Contrast	450 : 1					
Electrical Data								
Supply voltage	10 - 32 VDC	Current consumption	<100 mA @ 24V (typ. 2W)					
Fuse	The power supply of the digital outputs must be fused externally with a 8A fuse.	Program and data storage	32 MB Flash64 MB RAM8 kB FRAM					
Operating temperature	-25°C to +70°C	RTC	Year, Month, Week, Weekday, Day, Hour, Minute, Second					
Storage temperature	-40°C to +85°C	Mass storage	-					
Interface	 2 x CAN ISO 11898 RS485 (Modbus RTU) USB Host (to connect USB mass storage) USB Device (to connect to PC) 	IO's	-					
Programming Mechanical Data	Logic & C programmable via comfortable GDS -Software	Parameterization	GDSDesigner					
Dimensions (W x H x D)	96 x 96 x 60 mm	Mounting hole (W x H)	91 x 91 mm					
Weight	325 g	Keys	4 illuminated touch keypads with status LED and buzzer					
Mounting	Frontpanel mounting via spring clip	International Protection	Frontal IP65 / backside IP54					
Test Standard								
CE identification	Acc. to directive 2004/108/EG	Humidity	EN 60068-2-30					
EMC	EN61000	Vibration	EN 60068-2-6					
Vehicle test pulse	DIN 40839 part 1 (ISO7637)	Shock	EN 60068-2-27					
Temperature	EN 60068-2-2	Salt spray	EN 60068-2-11 (optional)					
		e1 lable	(optional)					
	Technical changes reserved	at any time without notification						

PIN ASSIGNMENT

10 pin connector

Mating connector: Phoenix 1,5/10-STF-3,5 oder DFMC 1,5/10-STF-3,5 (to link the CAN interface)

Pin	Signal	Descripion
1	CAN0H	CANO High
2	CAN0GND	CANO Ground
3	CAN0L	CANO Low
4	CAN1H	CAN1 High
5	CAN1GND	CAN1 Ground
6	CAN1L	CAN1 High
7	RS485_A	
8	RS485_B	
9	GND	Ground
10	+24V	Supply



VERSIONS									
Performance	Version	D1000_1	D1000_2	D1000_3	D1000_4	D1000_5			
In-/Outputs		-	-	4 digital inpts 2 digital outputs 4 analog inputs	4 digital inpts 2 digital outputs 4 analog inputs	4 digital inpts 2 digital outputs 4 analog inputs			
Interfaces		2 x CAN RS 232	2 x CAN RS 485	2 x CAN RS 232	2 x CAN RS 232 Ethernet	2 x CAN RS 485			
additional		-	Modbus RTU	-	up to 32 GB mass storage possible	Modbus RTU up to 32 GB mass storage possible			

SUPPORT & CONTACT

RECEIVING INSPECTION

This product has been produced, tested and packaged with extensive care.

Nevertheless we request a check of the device and accessories for any transportation damage or defects immediately upon receipt. Please see the delivery note for a complete list of the items supplied. A damaged device should be returned in its original packaging, if possible.

The following information should accompany the device:

- a detailed description of the defect,
- your name and address.

Additional product information

- manual ,Communication' (H127)
- manual ,GDSDesigner' (H301)
- manual ,GDSLogic' (H300)
- as well as on the internet: www.graf-syteco.de

Danger to life due to electric shock!

- control and automation technology
- control engineering
- automatic control engineering

Obserce the applicable EN, DIN and VDE (German Electiiical Engineering Association) standards when installing and connecting the device.

⚠ Danger!

Danger to life due to incorrect input or incorrect operation!

Control sets are exclusivey suitable for operating, monitoring, controlling and regulating of processes.

To prevent dangerous situations with machines od systems due to incorrect input via the control set or malfunction or failure of the control set:

⚠ Caution!

Malfunction due to perturbations!

Make sure that supply and data cables are protected against EMC effects.

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