

WYLER AG, Im Holderli 13 CH-8405 Winterthur	<b>Datasheet BlueMETER SIGMA</b>	<b>949-DB-0025</b>
		<b>Revision: 2.0</b>
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# BlueMETER SIGMA

P/N: 016F004-002

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- ← Port A
- ← Port PC
- ← Port B
- ← Batterie compartment

Technical specifications	016F004-002	016-004-002
<b>Batteries</b>	2x 1.5 V batteries, size C 2x 1.2 V rechargeable batteries, size C	
<b>External power supply</b>	+12 ... 48 V DC	
<b>Dimensions L x W x H</b>	152 x 96 x 34/40 mm	
<b>Net weight</b>		
<b>without batteries</b>	835 g	
<b>with batteries</b>	684 g	
<b>Protection class</b>	IP 50	
<b>Radio</b>	Bluetooth	no
<b>Operating temperature</b>	0 ... 40 °C	
<b>Storage temperature</b>	-20 ... 70 °C	

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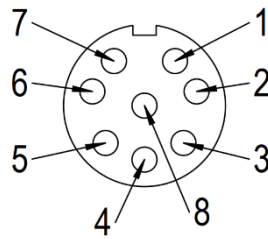
Unit	Decimals	Value in Display	Unit in Display
mm per m	2	xxxx.xx	mm/m
mm per m	3	xxx.xxx	mm/m
mm per m	4	xx.xxxx	mm/m
Inch per 10 Inch	4	xx.xxxx	"/10"
Inch per 12 Inch	4	xx.xxxx	"/12"
milli radian	2	xxxx.xx	mRad
milli radian	3	xxx.xxx	mRad
mm per relative base	2	xxxx.xx	mm/REL
mm per relative base	3	xxx.xxx	mm/REL
mm per relative base	4	xx.xxxx	mm/REL
Inch per relative base	4	xx.xxxx	"/REL
artillery per mill	2	xxxx.xx	A‰
per mill	2	xxxx.xx	‰
percent	3	xxx.xxx	%
degree	1	xxx.x°	DEG
degree	2	xxx.xx°	DEG
degree	3	xxx.xxx°	DEG
degree	4	xx.xxxx°	DEG
degree + arc minutes		xx°xx'	DEG
degree + arc minutes + arc seconds		xx°xx'xx"	DEG
arc minutes + arc seconds		xxxx'xx"	DEG
arc seconds		xxxxxx"	DEG
arc seconds	1	xxxxx.x"	DEG
centesimal degree	3	xxx.xxx	GON
centesimal degree	4	xx.xxxx	GON
slope		1/xxxx	SLOPE

**RS485**

<b>Connectivity</b>	wylerEXPLORER: v2.0.0.0 or higher wylerSPEC: v1.0.0.153 or higher wylerINSERT: v2.0.1.0 or higher wylerDYNAM: v1.6.6.106 or higher wylerCHART: v1.6.6.106 or higher
<b>Digital output</b>	RS485, asynchronous, 7 DataBits, 2 StopBits, no parity, 57600 bps

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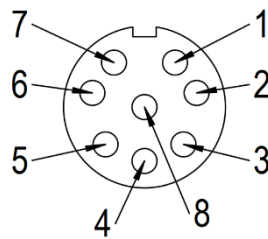
## Pinout Port A and B



female

Pin	Name	Description
1	+24 V	+24 V DC power
2	GND	Ground
3	+ 5V DC	+5 V DC power
4	RTA	WYLER RS485 channel A
5	RTB	WYLER RS485 channel B
6	--	Reserved (do not connect)
7	--	Reserved (do not connect)
8	Key	Trigger Input

## Pinout Port PC



female

Pin	Name	Description
1	+24 V	+ 24 V DC power
2	GND	Ground
3	+ 5 V	+5 V DC power
4	RTA / TX	WYLER RS485 channel A or RS232 transmit line
5	RTB	WYLER RS485 channel B
6	RX	RS232 receive line
7	--	Reserved (do not connect)
8	Key	Trigger Input

### Please Note:

To lock the connectors, the threaded ring is tightened until it is 'finger-tight' (approx. 50 Ncm).