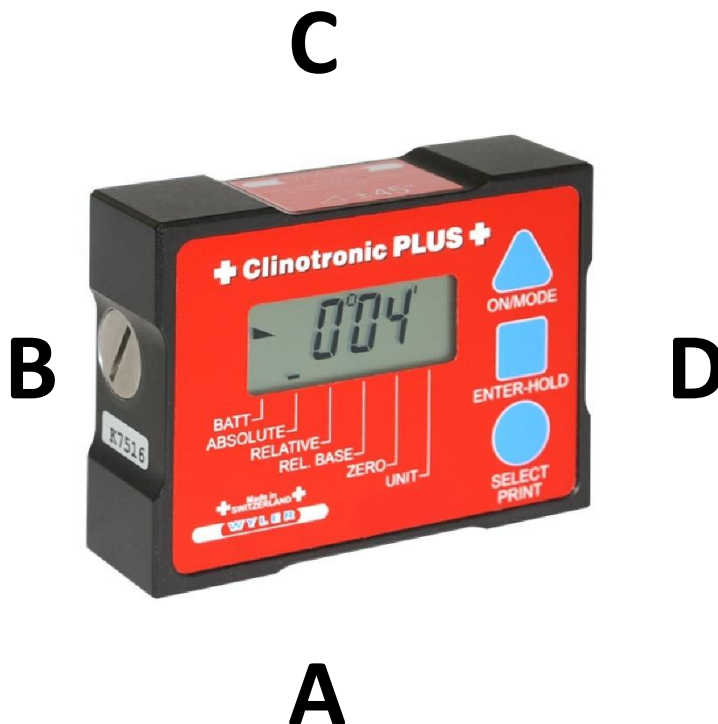


Clinotronic PLUS

Features

- Measuring ranges $\pm 45^\circ / \pm 60^\circ$
- Support of calibration with clinoMASTER (only $\pm 45^\circ$)
- Data transmission via cable
- Aluminium housing, hard anodized
- wylerTRIGGER support for data acquisition
- CE conformity



Definition of naming the 4 bases in the further context:

Starting with A as the main reference, the horizontal bottom base.
The other bases are named B, C and D in clockwise direction.

Specifications and applicable standards

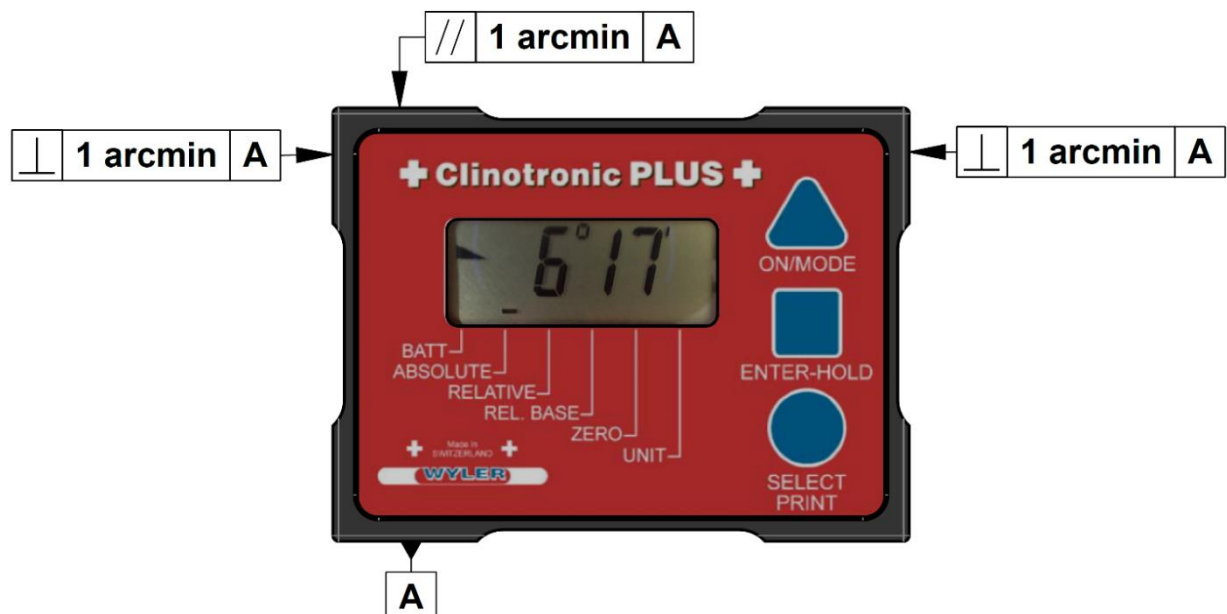
Housing	Standard	Option
Material	Aluminium, hard anodized	
Dimension	100 x 75 x 30 mm	
Base A/B/C/D	Flat - grinded	-Magnetic inserts -Threads M3 -Magnetic inserts and threads M3
Operating temperature	0 ... 40°C	
Storage temperature	-30 ... 70°C	
Standards	WYLER specification	
Relative humidity	Max. 80 % RH up to 31 °C, decreasing linearly to 50 % RH at 40 °C	
Protection class	IP 52	
Weight	400 g	

Electrical Characteristic	
External power supply	5 V DC
Batterie	1x 1.5 V batteries, size AA 1x 1.2 V rechargeable batteries, size AA

Specification				
Sensitivity	5 arcsec			
Range	$\pm 45^\circ$ or $\pm 60^\circ$			
Within the range of ...	0 ... 10°	10 ... 30°	30 ... 45°	45 ... 60°
Limits of error within 12 months * $T_A = 20^\circ\text{C}$	≤ 1 arcmin + 1 digit	≤ 1.5 arcmin + 1 digit	≤ 2 arcmin + 1 digit	≤ 3 arcmin + 1 digit
Response time	< 5 sec			

 T_A = ambient temperature

* typical value

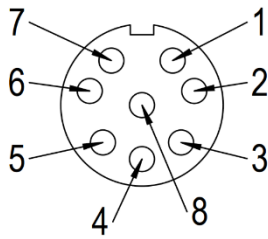


Unit	Decimals	Value in Display	Unit in Display	Measuring range	Digit step
mm per m	2	xx.xx	mm/m	99.98	0.02
Inch per 10 Inch	4	.xxxx	"/10"	0.9998	0.0002
Inch per 12 Inch	4	.xxxx	"/12"	0.9998	0.0002
milli radian	2	xx.xx	mRad	99.98	0.02
milli radian	0	xxx	mRad	872	1
degree	2	xx.xx° (45°)	DEG	45.00°	0.01
	2	xx.xx° (60°)	DEG	60.00°	0.01
degree	4	.xxxx°	DEG	0.9990	0.0010
degree + arcmin		xx°xx' (45°)	DEG	45°00'	1'
		xx°xx' (60°)	DEG	60°00'	1'
arcmin + arcsec		xx'xx"	DEG	99'55"	5"
centesimal degree	2	xx.xx (45°)	GON	50.00	0.01
	2	xx.xx (60°)	GON	66.66	0.01
centesimal degree	4	.xxxx	GON	0.9990	0.0010
mm per relative base	2	xx.xx	mm/m *)	99.99 / Baselength	0.01
mm per relative base	4	.xxxx	mm/m *)	0.9950 / Baselength	0.0050
Inch per relative base	4	.xxxx	"/10" *)	0.9990 / Baselength	0.001
artillery per mill	0	xxx (45°)		800	1
		xxxx (60°)		1067	1

*) Cursor at the position „REL.BASE“

RS485	
Value update rate	max. 2 values per second
Temperature reading	not supported
Interfaces	wylerCONNECT, WYLER universal cable
Connectivity	wylerEXPLORER: v2.0.5.0 or higher wylerSPEC: v2.0.5.0 or higher wylerINSERT: v2.0.4.0 or higher wylerDYNAM: v2.0.0.0 or higher wylerCHART: v2.0.0.0 or higher
Digital output	RS485, asynchronous, 7 DataBits, 2 StopBits, no parity, 9600 bps

Pinout Port



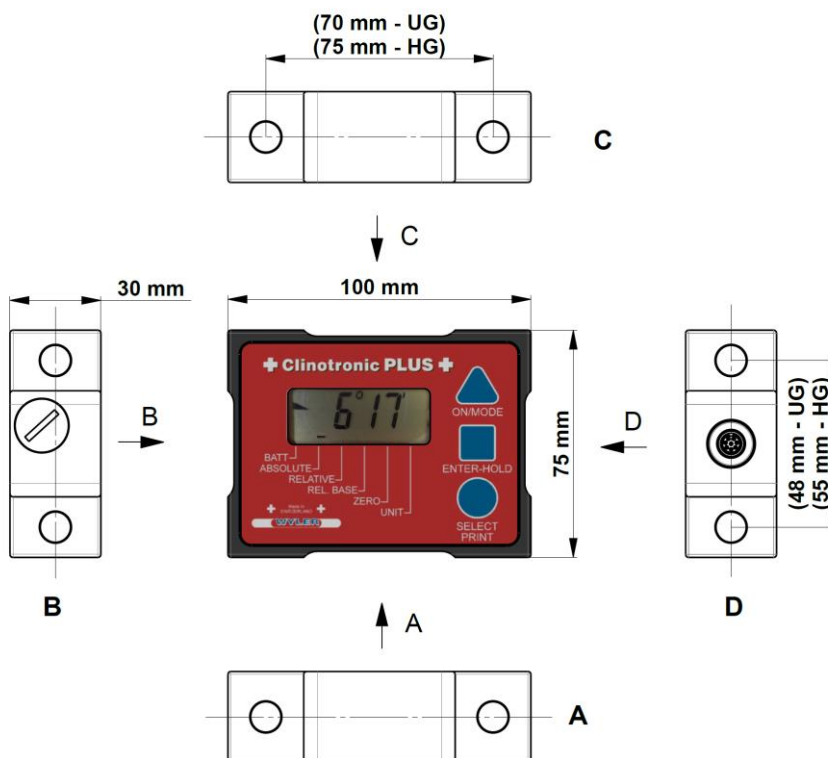
Pin	Name	Description
1	--	Not used
2	GND	Ground
3	+ 5 V	+5 V DC power
4	RTA	WYLER RS485 channel A
5	RTB	WYLER RS485 channel B
6	--	Do not connect
7	--	Do not connect
8	--	Do not connect

Please Note:

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

Dimensions:

With magnetic inserts



With M3 threads

