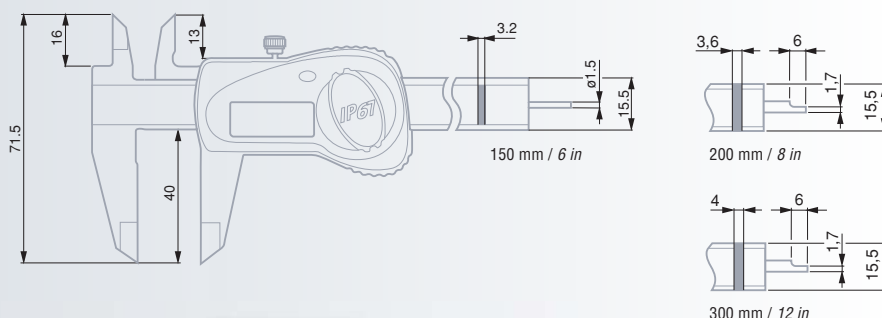
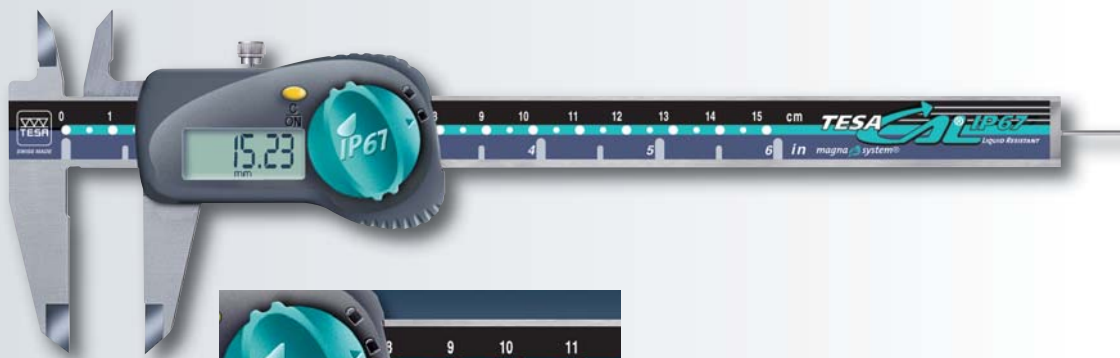


TESA CAL IP67 magna μ system

Patented measuring system – TESA magna μ system

New electronic caliper – The highest degree of protection ever achieved with hand-held tools of this type – Totally immune to the penetration of liquids and particles of metal.

Magnetic measuring system – a TESA's technology guaranteeing full reliability and accuracy, even in the toughest conditions of use – SWISS MADE.



DIN 862 (Style 1A-ZS)

0,01 mm
0.0005 in

LCD, 7 mm

Floating zero

Conversion mm / in

≤ 100 mm = 20 μ m
 > 100 mm = 30 μ m

10 μ m

Steel scale with incremental divisions, magnetic

$> 1,8$ m / s

RS 232 opto-coupled, mono- and bi-directional

Hardened stainless steel

3V lithium battery, CR 2032

$\approx 1,5$ a (≈ 2000 h / a)

Idle mode after 10 min, automatic switch off after 2 h.

10°C to 40°C

-10°C to 60°C

100%

IP67 (IEC 60529)

EN 50081-1
EN 50082-1

Suited plastic case

Identification number

Inspection report with a declaration of conformity

	mm / in	RS 232	Thumb roller	A mm	B mm	C mm	g
00530300	150 / 6	–	–	40	16	71,5	140
00530301	150 / 6	–	●	40	16	71,5	140
00530302	200 / 8	–	●	50	20	89,5	200
00530303	300 / 12	–	●	64	22	105,5	270
00530311	150 / 6	●	●	40	16	71,5	140
00530312	200 / 8	●	●	50	20	89,5	200
00530313	300 / 12	●	●	64	22	105,5	270

Optional Accessories

01961000 3 V lithium battery, 190 mAh, type CR 2032

00560013 Depth foot for calipers having a 150 mm measuring span (also see on page A-28).

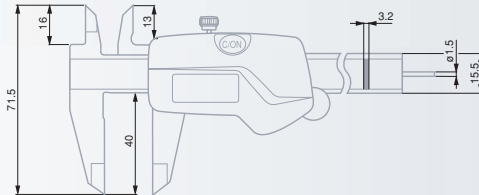
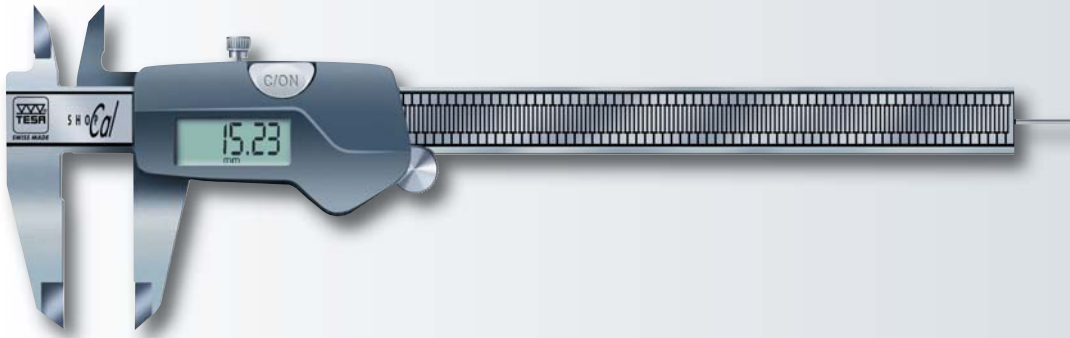
For connecting cables, see section N.

TESA SHOP-CAL



Patented measuring system – TESA magna μ system

- ABSOLUTE or DIFFERENCE measurements
- High quality precision mechanics
- Large LC display
- Easy-to-use
- Best Price/Performance relationship



	mm / in	Thumb roller	A mm	B mm	C mm	g
00530090	150 / 6	●	40	16	71,5	140
<i>Optional Accessories</i>						
01961000	3 V lithium battery, 190 mAh, type CR 2032					
00560013	Depth foot for calipers having a 150 mm measuring span (also see on page A-28).					

- ✓
- DIN 862 (Style 1AZ)
- 0,01 mm / 0.0005 in
- LCD, 7 mm
- Floating zero
- «ABS» and «DIFF»
- Conversion mm / in
- ≤ 100 mm = 20 μ m
 > 100 mm = 30 μ m
- 10 μ m
- Capacitive glass scale with incremental divisions
- > 2 m / s
- Hardened stainless steel
- 3V lithium battery, CR 2032
- ≈ 2 a (≈ 2000 h / a)
- Idle mode after 10 min, automatic switch off after 2 h.
- 10°C to 40°C
- 10°C to 60°C
- 80%
- IP40 (IEC 60529)
- EN 50081-1
EN 50082-1
- Suited plastic case
- Identification number
- Inspection report with a declaration of conformity

INTERAPID capa μ system



Patented measuring system – TESA capa μ system

Unique design – Ingenious combination of non-ferrous alloy with stainless steel – Measuring jaws for external dimensions with titanium nitride (TiN) coated measuring faces – Lightweight for ease of handling – Measuring span of 150, 200 or 300 mm.



DIN 862 (Style 1AZ)

0,01 mm
0.0005 in

LCD, 7 mm

Floating zero

Conversion
mm / in

≤ 100 mm: 20 μ m
 > 100 mm: 30 μ m

Capacitive
glass scale with
incremental
divisions

$(8 \pm 1) \times 10^{-6} K^{-1}$

$> 1,6$ m / s

Slider, beam and
depth foot are
made from light
alloy.

Stainless steel tipped
measuring jaws, also with
titanium nitride (TiN) coated
steel part. Hardness to
 ≈ 2300 HV 0,05.

Depth rod in flexible hard-
ened steel (only for models
150 to 200 mm/6 to 8 in)

3 V lithium
battery, CR 2032

≈ 2 a
(≈ 2000 h / a)

Idle mode after
10 min,
automatic switch
off after 2 h.

10°C to 40°C

-10°C to 60°C

80%,
non-condensing

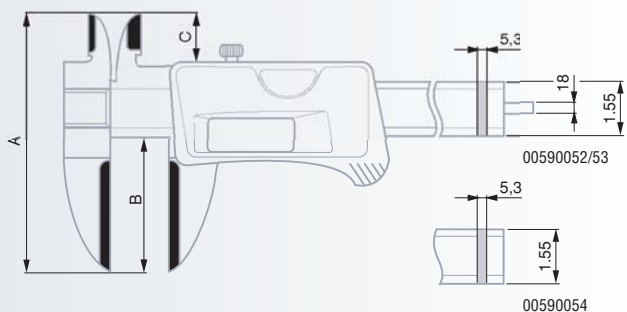
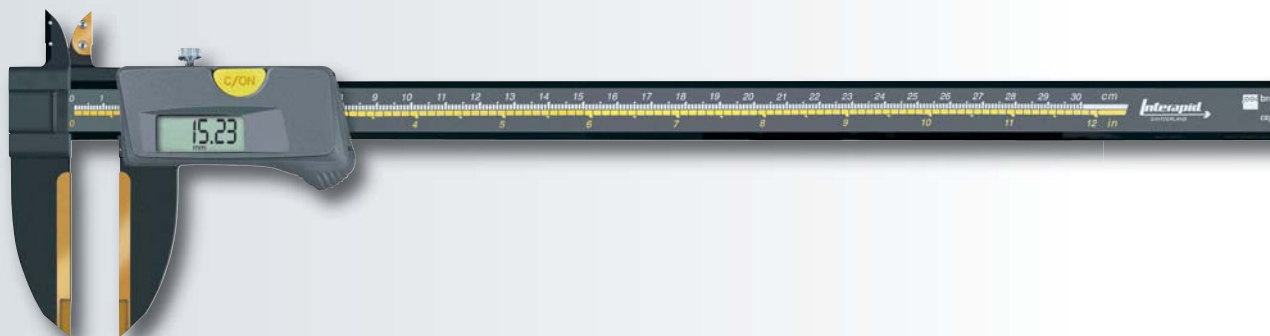
IP40
(IEC 60529)

EN 50081-1
EN 50082-1

Suited
plastic case

Identification
number

Inspection report
with a declaration
of conformity



	mm / in	Depth foot	A mm	B mm	C mm	g
00590052	150 / 6	●	77	40	15	115
00590053	200 / 8	●	100	60	17	135
00590054	300 / 12	-	100	60	17	158

Optional Accessories

01961000 3 V lithium battery, 190 mAh, type CR 2032

00560086 Depth foot, 85 x 7,5 mm measuring face



INTERAPID Light

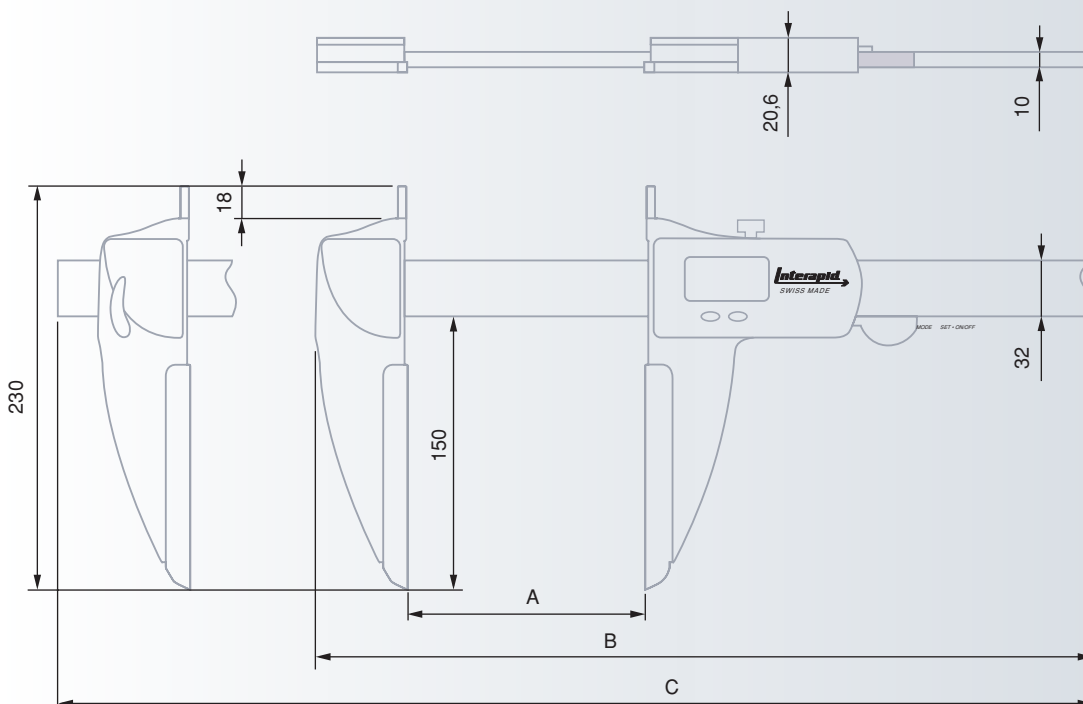
Measuring functions

- Zero setting
- Metric/Inch conversion
- Hold function for any displayed value
- OPTO-RS data transfer, mono- and bi-directional
- Two adjustable points of origin (Ref I / Ref II)
- PRESET function
- MIN/MAX mode
- 2 adjustable limit values for classification of the measured ones



		μm	μm	A mm	B fixed	C movable	kg
00590061	INTERAPID Light 300	30	20	330	618	–	1,100
00590062	INTERAPID Light 600	40	20	630	918	–	1,300
00590063	INTERAPID Light 1000	60	20	1025	–	1306	1,600
00590064	INTERAPID Light 1500	150	20	1525	–	1806	2,000
00590065	INTERAPID Light 2000	250	30	2040	–	2306	2,300
00590066	INTERAPID Light 2500	350	30	2545	–	2806	2,600
00590067	INTERAPID Light 3000	450	40	3050	–	3306	3,000

Models 300 and 600 mm with a fixed jaw (left), any other model with a movable one.

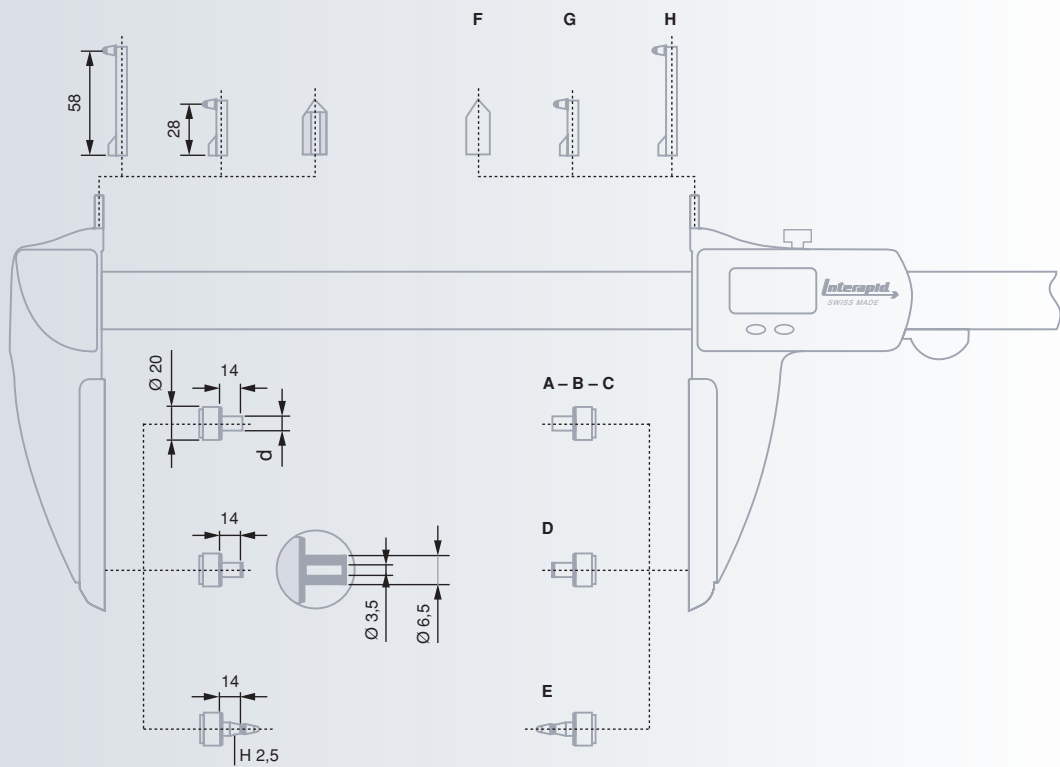


- ✓
- DIN 862 and factory standard
- See table
- 0,01 mm
0.0005 in
- LCD, 8,5 mm
- Floating zero
- Display lock
- mm / in conversion
- Scale with incremental divisions, magnetic
- > 1,5 m / s
- RS 232 opto-coupled, mono- and bi-directional
- Hardened steel jaws for external dimensions. Also with TiN coating, thickness to 7 mm. Tungsten carbide inserts for internal dimensions, 5 mm dia. Beam with light alloy hollow section, supported by hardened stainless steel rods.
- 3V lithium battery, CR 2032
- ≈ 1,5 a
(≈ 3300 h / a)
- 5°C to 40°C
- 10°C to 60°C
- IP40 (IEC 60529)
- EN 50081-1
EN 50082-1
- Shipping packaging
- Identification number
- Inspection report for models up to 1500 mm
- Declaration of conformity

Standard Accessories

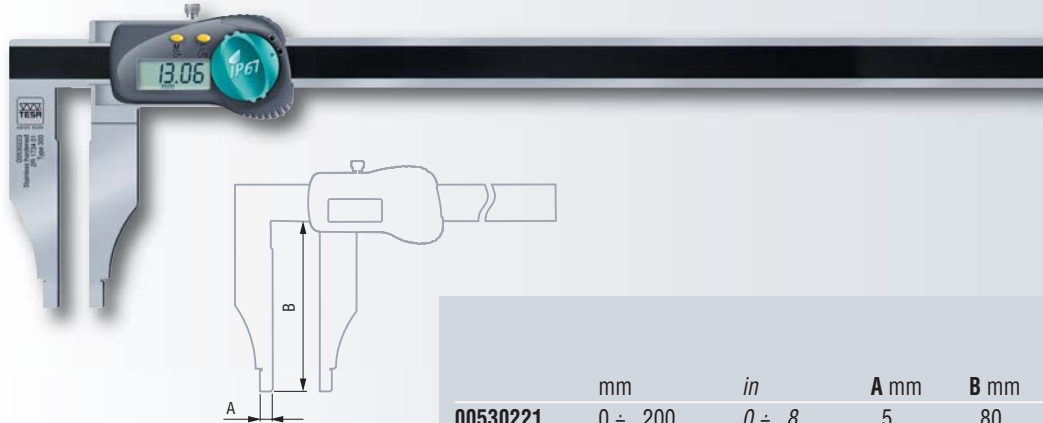
00560091	A	Holder for XB wire set for thread measurement, 6,35 mm diameter
00560092	B	Holder for XB wire set for thread measurement, 6,50 mm diameter
00560093	C	Holder for XB wire set for thread measurement, 8,00 mm diameter
00560094	D	Holder for TESA AC measuring inserts for thread measurement
00560095	E	Insert-holder with a M2,5 thread
00560096	F	60° conical steel pin, hardened steel for measuring centre distances > 10 mm
00560097	G	Holder for dial gauge inserts used for groove measurement, L = 28 mm
00560098	H	Holder for dial gauge inserts used for groove measurement, L = 58 mm
00560099		Wooden case for INTERAPID Light 300 mm
00560100		Wooden case for INTERAPID Light 600 mm
00560101		Wooden case for INTERAPID Light 1000 mm
00560102		Wooden case for INTERAPID Light 1500 mm
01961000		3V lithium battery, 190 mAh, type CR 2032

For connecting cables, see section N.



TESA IP67

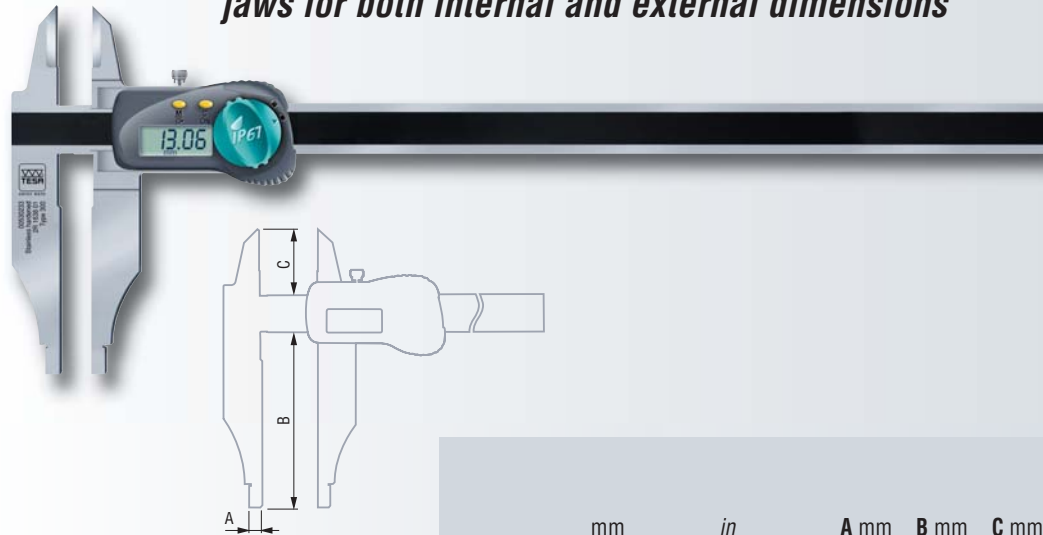
Models with rounded measuring faces for internal dimensions



	mm	in	A mm	B mm
00530221	0 ÷ 200	0 ÷ 8	5	80
00530222	0 ÷ 250	0 ÷ 10	5	80
00530223	0 ÷ 300	0 ÷ 12	5	90
00530224	0 ÷ 500	0 ÷ 20	10	150
00530225	0 ÷ 600	0 ÷ 24	10	150
00530226	0 ÷ 800	0 ÷ 32	10	150
00530227	0 ÷ 1000	0 ÷ 39	10	150

Optional Accessory
01961000 3V lithium battery, 190 mAh, type CR 2032
 For connecting cables, see section N.

Models with rounded measuring faces and knife-edge jaws for both internal and external dimensions

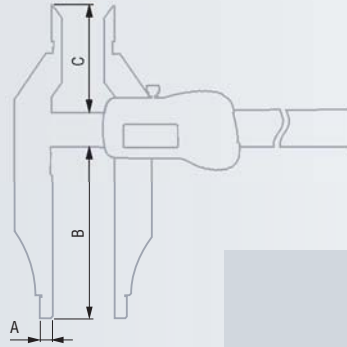


	mm	in	A mm	B mm	C mm
00530231	0 ÷ 200	0 ÷ 8	5	80	30
00530232	0 ÷ 250	0 ÷ 10	5	80	37
00530233	0 ÷ 300	0 ÷ 12	5	90	37
00530234	0 ÷ 500	0 ÷ 20	10	150	60
00530235	0 ÷ 600	0 ÷ 24	10	150	60
00530236	0 ÷ 800	0 ÷ 32	10	150	56
00530237	0 ÷ 1000	0 ÷ 39	10	150	56

Optional Accessory
01961000 3V lithium battery, 190 mAh, type CR 2032
 For connecting cables, see section N.

- ✓
- DIN 862 (Style E-ZS/B-ZS)
- See table
- 0,01 mm
0.0005 in
- LCD, 7 mm
- Floating zero
- Display lock
- mm / in conversion
- See page A-2
- Steel scale with incremental divisions, magnetic
- > 1,8 m / s
- RS 232 opto-coupled, mono- and bi-directional
- Hardened stainless steel
- 3V lithium battery, CR 2032
- ≈ 1,5 a (≈ 2000 h / a)
- Idle mode after 10 min., automatic switch off after 2 h.
- 10°C to 40°C
- 10°C to 60°C
- 100%
- IP67 (IEC 60529)
- EN 50081-1
EN 50082-1
- Wooden or plastic case depending on the model
- Identification number
- Inspection report with a declaration of conformity

Models with rounded measuring faces and knife-edge jaws for internal dimensions



	mm	in	A mm	B mm	C mm
00530230	0 ÷ 250	0 ÷ 10	5	80	54
<i>Optional Accessory</i>					
01961000	3V lithium battery, 190 mAh, type CR 2032				
	For connecting cables, see section N.				



DIN 862
(Style D-ZS)

0,01 mm
0.0005 in

LCD, 7 mm

Floating zero

Display lock

mm / in
conversion

See page A-2

Steel scale with
incremental
divisions, magnetic

> 1,8 m / s

RS 232
opto-coupled,
mono- and
bi-directional

Hardened
stainless steel

3V lithium
battery, CR 2032

≈ 1,5 a
(≈ 2000 h / a)

Idle mode
after 10 min.,
automatic switch
off after 2 h.

10°C to 40°C

-10°C to 60°C

100%

IP67
(IEC 60529)

EN 50081-1
EN 50082-1

Wooden case or
plastic case
depending on
the model

Identification
number

Inspection
report with a
declaration of
conformity

