This **hanhart** stopwatch

CE No. _____

made under the most strongest production and control methods, by specialists using only the best materials, is guaranteed for

2 (two) years

from date of original purchase against defects in material and workmanship. If this stopwatch should become defective within this period you are entitled to get it repaired or exchanged free of charge.
Defects resulting from abuse of the stopwatch are not covered by this guarantee: for instance, if contact springs are corroded by batteries which have leaked. Batteries are not covered by this guarantee.

Shopowner and co-garant:

sold on: _____

PROFIL 1, PROFIL 25 and STOPSTAR

Technical features (for all stopwatches)

Temperature range

during use:	-15 °C to +55 °C
during storing:	-25 °C to +65 °C

Batteries

Type:	Mignon cell AA
Capacity:	abt. 4 years
Indication:	After a RESET, the digits of h, 10min and 1min are in flashing state, the leaving of capacity are 3 weeks around.

Display

Profil:	9 digits, height 8/6 mm
Stopstar:	7 digits, height 6,5/4 mm
Indication:	7 digits at Split function: h, mm, ss, 1/100 sec 6 digits at Lap function: mm, ss, 1/100 sec 2 digits eventcounter (not with Stopstar)
Case	ABS
Weight	abt. 90 g with battery

Precision	**PROFIL 25:** +/- 7 sec/month (at 20 °C) **PROFIL 1/STOPSTAR:** +/- 30 sec/month
Time unit	1/100 sec
Memories	**PROFIL 25:** 24 + 1 (24 for first, and 1 for the finally time) **PROFIL 1 /STOPSTAR:** 2 (dual measurement)
Functions	**PROFIL 25:** Addition, Split, Lap, Time, Memory recall **PROFIL 1/STOPSTAR:** Addition, Split
Buttons	**PROFIL 25:** 4: (Start/Stop, Split/Lap, Memory/Display, Mode) **PROFIL 1 /STOPSTAR:** 2: (Start/Stop, Split/Reset)

Profil 25

Profil 1

Replacement of battery:
Remove the battery cover by pressure on the grun located on the bottom of the case (see illustration). Place battery and pay attention to polarity. Replace the cover.

Installation of lanyard and protection pouch
Remove the battery cover and pull lanyard through one of the holes from the outside of the case and then pull out through the other hole from the inside of the case. Pass through with both ends of the lanyard into the holes of the protection pouch from the inside and tie it together.

Legend of functions:

SPLIT:	is the time accumulated after each measuring point. The last Split time is also the total time.
LAP:	is the difference between the last time measured and the current time, also called lap times
ADD:	Addition times, alternatively active and break times (timeout)
MEMORY:	registered times in memory
EVENT:	number of the measured Split times

PROFIL 1 - STOPSTAR 2:

Available functions with search index (a-c)
a) Measuring of time periods (START/STOP and SPLIT)
b) RESET of the stopwatch
c) Event Counter (not with Stopstar)

a) Measuring of time periods

Start/Stop resp. Addition	Display	Symbol
Start: Button Start/Stop	runs	
Stop: Button Start/Stop	stops	
Start: Button Start/Stop	runs	
a.s.o.		

Split	Display	Symbol
Start: Button Start/Stop	runs	
Split: Button Split/Reset	stops	
Split: Button Split/Reset	runs	
Split: Button Split/Reset	stops	
a.s.o.		

Dual measuring (two times one quickly after the other)	Display	Symbol
Start: Button Start/Stop	runs	
Wait for measuring point(s)...	runs	
1. measuring point button Split	stops	
2. measuring point button Stop → note time from M-point 1		
Read M-Point 2 with: button Split time from		
	M-point 2	
Reset: button Split	0:00:00:00	

b) RESET of stopwatch
only possible after stop procedure f. ex.

	Display	Symbol
Start: Button Start/Stop	runs	
Stop: Button Start/Stop	stops	
Reset: Button Split/Reset	0:00:00:00	

or:

	Display	Symbol
Start: Button Start/Stop	runs	
Split: Button Split/Reset	stops	
Split: Button Split/Reset	runs	
Stop: Button Start/Stop	stops	
Reset: Button Split/Reset	0:00:00:00	

c) Event-Counter: (only Profil 1)
counts every operation of Split/Reset-button

PROFIL 25

Available Functions with search index (a-g)
a) Reset of stopwatch
b) Mode Function
c) Measuring of time periods (Start/Stop)
d) Memory recall
e) Visible running time
f) Event Counter
g) Setting of time

a) **Reset**
By pressing the START/STOP and MODE buttons at the same time, all times and memories are erased. Daytime remains in memory.

b) **MODE** (change of functions)
By pressing the MODE button the functions are changed in the following sequences and can also be seen on the display.
SPLIT → LAP → TIME and back to Split.

c) **Measuring time periods**
- The MODE button selects the functions SPLIT, LAP or TIME.
- Independent from type of Mode, it is possible at any time during measuring of time periods to change the Mode, without influencing the other functions. The function symbol on the display is only confirming the presently visible type of time. The other functions remain active in the background.
- By pressing the START/STOP button the stopwatch is stopped or started alternately. The symbols  confirm this procedure. By pressing the SPLIT/LAP button the present SPLIT- and LAP-times are memorized. The indication of time remains for easier reading of the measured time.

d) **Memory recall**
- At any time during measuring of time, memory recall can be made by means of the MEMORY button. The first 24 memories are stored for the first 24 times. In the last (25.) memory there is the finally measured time, if more times have been measured that memories are available.

- Procedure:
Press MEMORY button and keep pressed. The memorized time will be indicated as long as the button is pressed. During this procedure MEMORY and the number of memory is indicated. If MEMORY is pressed again the next memorized time can be seen a.s.o. After releasing the button the display will always indicate the finally measured time. If indication should be running see following point.

e) **Visibly running time**
By **short pressing** of the DISPLAY button the stopwatch is visibly running again after a stop procedure.

f) **Event Counter** (two digits in brackets)
- Number of operations of SPLIT/RESET (max 99) button
- During memory recall respective memory number is displayed

g) Principally the **setting** of the time is only possible after Reset
- Reset of stopwatch
- Press MODE button until TIME-function
- DISPLAY button is activating SET-procedure with symbol SET on display
- Further pressing of DISPLAY button is selecting the digit to be set, which appears flashing.
- SPLIT/LAP button is advancing the flashing digit (0-5 or 0-9).

- Seconds cannot be set. In order to synchronize them, round off the minutes while setting the required time and wait until the clock, to which the time should be coordinated, reaches the required minute and seconds.
- MODE button terminates the set-procedure, without switching to the next MODE.

Profil 1 „Calibratable“

Ref. No. 221.1723-00

PTB-registration no. 19.2/02.01
This addition to user's manual describes tolerance range, typically for time measurement.

Calibration and user tolerance range

The calibration tolerance range for time measurements are 0,01 sec. plus 0,05% of the measured time.

The user tolerance range for time measurements are 0,01 sec. plus 0,1 % of the measured time.

The tolerance range is valid in the temperature range of -10 °C until +50 °C and in the voltage range of 1,5 V until 1,35 V.

Consumers are legally required to dispose of batteries at suitable collection points, vending points or dispatch bays.
The crossed-out wheeled bin means that batteries must not be disposed of in the household waste. Pb, Cd and Hg designate substances that exceed the legal limits.