

# Training Clocks/Pace Clocks for indoors water protected, with minute and second hands



Indoor  
analog  
single face

Type series  
**431**



Also available  
"resistant  
to thrown balls"

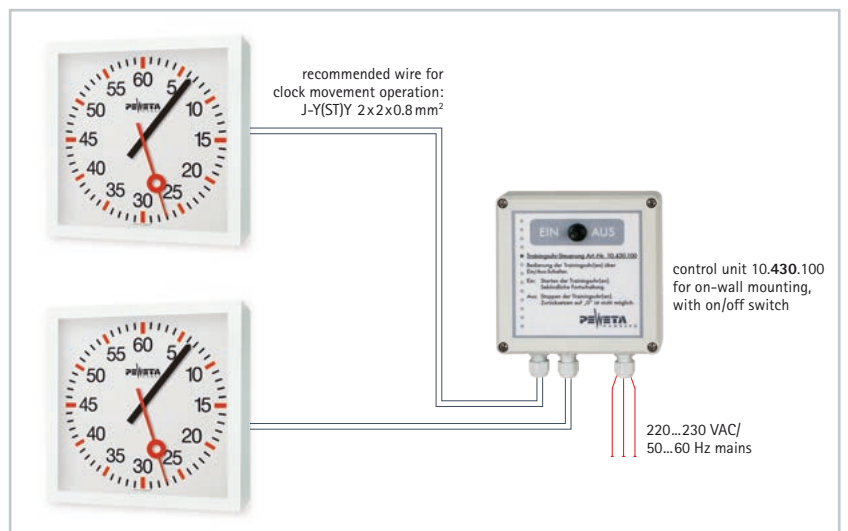


41.431.611 shown

This kind of training/pace clock indicates split times during swim training/warm-up training. Times are taken by each swimmer individually. The clock indicates the elapsed time in minutes and seconds.

For parallel operation of 2...4 training clocks, the slave clock type connected to the central control unit 10.430.100 is recommended. Thus an identical display (synchronous time) is always guaranteed on all training clocks connected.

Diagram shows  
2 training clocks 71.431.611  
with control unit 10.430.100



### Case

■ cir. 600x600 mm  
very sturdy metal case, enamelled white (RAL 9016). Optionally, at a surcharge, enamelled in metallic silver grey (RAL 9006), in dark gun metal (DB 703) or custom enamelled, as listed below. A stainless steel case (1.4571 X6CrNiMoTi 17-12-2, German trade name V4A), blasted and additionally coated with a protective varnish, is available as an option. Clock movement protected according to IP54 (EN 60529).

### Resistance to thrown balls acc. to DIN 18032, part 3 (option)

Wrench-off-proof mounting fixture and two-ply laminated mineral safety glass, thus suitable for ball sports facilities when durably mounted on-wall.

### Clock types

■ Quartz movement, battery operated (2x1.5 V "Alkaline" LR 20, included).

#### Portable, therefore suitable for mobile use.

ON/OFF switch on reverse side. With carrying handle. Setup on the edge of the pool. 2 pivoted feet ensure a firm position of clock on the ground. Or wall mounting.

■ Quartz movement, mains operated 230 VAC. **Recommended for continuous operation and for durable, fixed on-wall position.** Wall mounting and fixed power supply only, incl. wrench-off-proof 3-point mounting fixture.

■ Slave movement, pulse operated 24 V. To be operated by fixed connection to control unit 10.430.100 only.

#### Recommended for synchronized, parallel operation of up to 4 training clocks/pace clocks 71.430.611 in securely fixed positions.

Wall mounting only, incl. 3-point wrench-off-proof mounting fixture. Control unit 10.430.100 is required for operation.

### Face

High distinction white metal with red/black minute and second bars and black numerals for easy, doubt-free reading. Reading distance cir. 30 m.

### Hands

Black minute hand. Red second hand with "eye", intervals in second cycles.

### Front glass

Flat shock-resistant Plexiglas® XT (PMMA) as standard.

### Function

The (swim) training/pace clock can be used by any number of swimmers simultaneously.

The elapsed time is displayed in minutes and seconds.

The swimmer will wait for a maximum of 59 seconds until the second hand reaches the 12-o'clock-position and will then memorise the position of the minute hand.

Upon finishing a training round the time elapsed can be easily calculated (time indicated minus the minutes memorised).

### Stainless steel V4A + varnish (option)

V4A quality stainless steel with an additional coat of protective varnish is outstandingly resistant to acids and other chlorous media and is therefore particularly suited for public swimming pools as well as for the chemical industry.

Technical data	
Operating power (quartz clock type, battery operated)	2 x 1.5 V Mono/LR 20
Operating power (quartz clock type, mains operated)	220...230 VAC
Operating power (slave clock type, pulse operated)	24 V minute/sec. pulses
Duration of operation in permanent use (battery operated)	cir. 1,000 hours
Intervals	second cycles
Dial sections	0...60
Reading distance	cir. 30 m

Clock type	Item No.	€ each
Quartz clock, battery operated 2 x 1.5 V	41.431.611	895.-
Quartz clock, mains operated 230 VAC	42.431.611	915.-
Slave clock, minute pulse 24 V (second cycles)	71.431.611	759.-

Accessories	Item No.	€ each
Control unit for up to 4 training clocks 71.431.611, operating power 220...230 VAC/50...60 Hz, ON/OFF switch	10.430.100	295.-

Options	Suffix	Surcharge € each
Case enamelled in metallic silver grey RAL 9006	-05	49.-
Case enamelled in metallic dark gun metal DB 703	-06	49.-
Case custom enamelled	-10	on request
Case stainless steel V4A, blasted and varnished	-22	650.-
Custom logo on clock face	-47	on request
Resistance to thrown balls acc. to DIN 18032, part 3 (types 42.431.611 and 71.431.611 only)	-59	169.-

### Options – just as you like them ...

These clocks are available optionally with customised features at the surcharges as listed. Just pick your option(s) and add the appropriate suffix(es) to the Item No.

Case colour	Suffix
metallic silver grey RAL 9006	-05
dark gun metal DB 703	-06
custom enamelled	-10
stainless steel V4A + clear varnish	-22



▶ Clock cases made of stainless steel V4A, matted and varnished (option), are resistant to saltwater and other media containing chlorine. They are therefore excellently suited for permanent use in public swimming pools.



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