PEWETA CLOCKS

LED Digital Displays, indoor
for sports, business, and industry

"resistant to **thrown balls**"
acc. to VDE 0710 / DIN 18032

52.**610**.161 shown

Large, very sturdy digital displays with distinct, double-row LEDs, optimum readability for all kinds of large rooms and halls, including gymnasiums.

For sports applications, these LED digital displays can also be used as stopwatches. Besides basic count-up and count-down functions a complete training program with various cycles and breaks that starts automatically when triggered can be programmed using the infrared remote control, included in delivery shipment. An additional built-in buzzer resounding at the end of count-down, cycle and break can be supplied at a surcharge (option).

Examples show time, date, temperature (option), and stopwatch modes

Case

■ cir. 830 x 320 x 90 mm
(cipher height 160 mm)
■ cir. 1230 x 400 x 90 mm
(cipher height 250 mm)
very sturdy aluminium case,
enamelled black.
Protection grade IP 40 (EN 60 529).

Resistance to thrown balls

LED digital displays of this type
series are resistant to thrown balls
in accordance with German stand-
ards VDE 0710, part 13:1981-05
and DIN 18032, part 3 and thus are
suitable for gymnasiums and other
indoor sporting facilities.

Mounting

On-wall mounting.

Front glass

Flat shock-resistant plastic glass.

LED digital display

7-segment display technology, colour
red, manual brightness control in 4 steps.
4-digit display with double-row LEDs
showing hours and minutes, date, and
temperature (option), either permanently
or alternating, intervals adjustable.
Operating voltage 230 VAC/50..60 Hz.

Infrared remote control unit

All settings and the operation of the stop-
watch mode are triggered by a wireless
infrared remote control unit, included in
delivery shipment.

Stopwatch mode

This LED digital display can also be used
as a stopwatch in count-up, count-down,
and training modes. The 4-digit LED dis-
play shows minute and second readings.
Operation by the wireless infrared remote
control unit included.
Functions possible:
■ **count–up** with split times
■ **count–down** with indication of initial
value
■ **training** with adjustable number and
duration of cycles and breaks.

Further models

of this type series with different cipher
heights and/or with a 6-digit display
(hh:mm:ss) are available on request .

LED digital displays single-sided indoor

Type series
610

DCF77 radio controlled clocks
*DCF77 radio controlled clocks
of this type series will be
supplied including a remotable
DCF77 aerial (IP 68). Thus,
optimum reception quality
can be achieved regardless
of the final placement of the
clock itself. However, DCF77
radio controlled clocks will
only function correctly within
a radius of approx. 1,500 km
around Mainflingen (50 km
east of Frankfurt/M.).*

PEWETA DCFport24
*PEWETA DCFport24 slave
clocks require a PEWETA
master clock (see from
page 184 on).*

NTP
*NTP slave clocks require an
NTP time server (see page 191).*

Technical data		Cipher height 160 mm	Cipher height 250 mm
Case	colour	black (RAL 9005)	black (RAL 9005)
	dimensions (W x H x D)	cir. 830 x 320 x 90 mm	cir. 1230 x 400 x 90 mm
	weight	cir. 10 kg	cir. 15 kg
LED display	cipher height hours/minutes	cir. 160 mm	cir. 250 mm
	cipher colour	red	red
	reading distance	cir. 70 m	cir. 110 m

Type	Cipher height ▶ Operating voltage ▼	160 mm Item No.	€ each	250 mm Item No.	€ each
Quartz clock	230 VAC	42.**610**.161	1,695.–	42.**610**.251	2,395.–
DCF77 radio controlled clock[1]	230 VAC	52.**610**.161	1,995.–	52.**610**.251	2,695.–
Slave clock, *DCFport24* pulse telegram 24 V	230 VAC	83.**610**.161	1,795.–	83.**610**.251	2,495.–
Slave clock, NTP synchronisation by LAN (NTP client)[2]	230 VAC	93.**610**.161	on request	93.**610**.251	on request

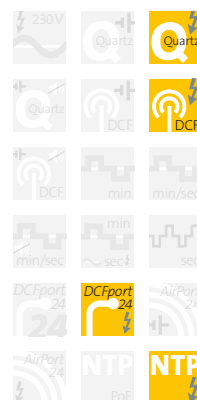| Options	Suffix	Surcharge € each
Case custom enamelled	–10	on request
Alternating temperature display, external temperature sensor (IP 54) included	–66	198.–
Built-in buzzer, automatically resounding at the end of count-down, cycle, and break respectively in stopwatch mode (duration adjustable from 0 to 4 seconds)	–67	225.–

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.

LED digital displays for outdoors

[1] A remotable DCF77 receiving aerial is included in delivery shipment.
[2] NTP slave clocks require a LAN connection. Appropriate hardware has
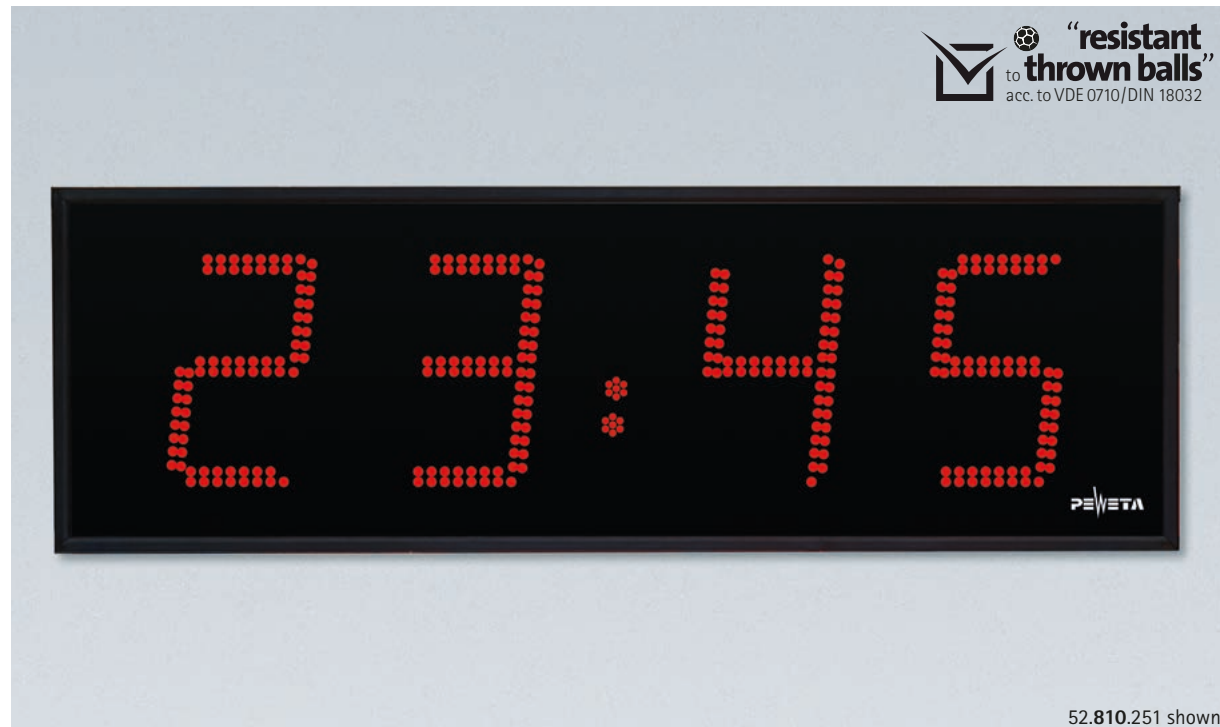to be supplied by customer.

LED Digital Displays, outdoor
showing the time, alternating with date and temperature

Digital displays
single-sided
outdoor

Type series
810

"resistant to **thrown balls"**
acc. to VDE 0710/DIN 18032

52.**810**.251 shown

Large, very sturdy digital displays with distinct, double-row LEDs, optimum readability, even at longer distances.

For sports applications, these LED digital displays can also be used as stopwatches. Besides basic count-up and count-down functions a complete training program with various cycles and breaks that starts automatically when triggered can be programmed using the infrared remote control, included in delivery shipment.

Examples show time, date, temperature, and stopwatch modes

LED digital displays for indoors
see pages 152 and 153.

Case
- cir. 830 x 320 x 90 mm
  (cipher height 160 mm)
- cir. 1230 x 400 x 90 mm
  (cipher height 250 mm)

very sturdy aluminium case, enamelled black.
Protection grade IP 54 (EN 60 529).

Resistance to thrown balls
LED digital displays of this type series are resistant to thrown balls in accordance with German standards VDE 0710, part 13:1981-05 and DIN 18032, part 3 and thus are suitable for school yards and sporting facilities.

Mounting
On-wall mounting by means of 4 angular metal brackets (included in delivery shipment).

Front glass
Flat shock-resistant plastic glass.

LED digital display
7-segment display technology, colour red, automatic brightness control. 4-digit display with double-row LEDs showing hours and minutes, date, and temperature, either permanently or alternating, intervals adjustable.
Operating voltage 230 VAC/50..60 Hz.

Infrared remote control unit
All settings and the operation of the stopwatch mode are triggered by a wireless infrared remote control unit, included in delivery shipment.

Stopwatch mode
This LED digital display can also be used as a stopwatch in count-up, count-down, and training modes. The 4-digit LED display shows minute and second readings. Operation by the wireless infrared remote control unit included.
Functions possible:
- **count-up** with split times
- **count-down** with indication of initial value
- **training** with adjustable number and duration of cycles and breaks.

Further models
of this type series with different cipher heights and/or with a 6-digit display (hh:mm:ss) are available on request .

Digital displays
single-sided outdoor

Type series
810

DCF77 radio controlled clocks
DCF77 radio controlled clocks of this type series will be supplied including a remotable DCF77 aerial (IP 68). Thus, optimum reception quality can be achieved regardless of the final placement of the clock itself. However, DCF77 radio controlled clocks will only function correctly within a radius of approx. 1,500 km around Mainflingen (50 km east of Frankfurt/M.).

PEWETA *DCFport24*
PEWETA DCFport24 slave clocks require a PEWETA master clock (see from page 184 on).

NTP
NTP slave clocks require an NTP time server (see page 191).

Technical data		Cipher height 160 mm	Cipher height 250 mm
Case	colour	black (RAL 9005)	black (RAL 9005)
	dimensions (W x H x D)	cir. 830 x 320 x 90 mm	cir. 1230 x 400 x 90 mm
	weight	cir. 10 kg	cir. 15 kg
LED display	cipher height hours/minutes	cir. 160 mm	cir. 250 mm
	cipher colour	red	red
	reading distance	cir. 60..70 m	cir. 90..100 m

Type	Cipher height ▶ Operating voltage ▼	160 mm Item No.	€ each	250 mm Item No.	€ each
Quartz clock	230 VAC	42.**810**.161	2,295.–	42.**810**.251	2,995.–
DCF77 radio controlled clock[1]	230 VAC	52.**810**.161	2,595.–	52.**810**.251	3,295.–
Slave clock, *DCFport24* pulse telegram 24 V	230 VAC	83.**810**.161	2,395.–	83.**810**.251	3,095.–
Slave clock, NTP synchronisation by LAN (NTP client)[2]	230 VAC	93.**810**.161	on request	93.**810**.251	on request

Option	Suffix	Surcharge € each
Case custom enamelled	–10	on request

LED digital displays for indoors
see pages 152 and 153.

[1] A remotable DCF77 receiving aerial is included in delivery shipment.
[2] NTP slave clocks require a LAN connection. Appropriate hardware has to be supplied by customer.

All prices on this page include shipping cost inside Germany (islands excluded), VAT added for deliveries inside Germany. Prices shown as of January 1st, 2017, subject to change without notice. If you desire additional information, please order the detailed Type information sheet, quoting the Item No. Alternatively, access our product data file on the internet at www.peweta.com.