

Analog clocks

TREND

The TREND clock provides a modern and slim design for indoor applications such as hospitals, offices, schools, universities etc.

TREND clocks are offered in diameters 30, 40 and 60 cm, with or without second hand.

They are available in two different colors, with plastic or metal frame and as single- or double-sided clocks.

Double-sided clocks consist of two single-sided clocks assembled together by a bracket for ceiling or wall-mounting.

Controlled and powered by the two-wire MOBALine or Ethernet/NTP/PoE (IPv4 and IPv6 supported).

The Ethernet/NTP version of the clock can be administrated and supervised comfortably by the MOBA-NMS (Network Management System.)

TREND - ordering information

Type	Illumination	Ø	Version (shape)	Movement	Dial	Covering glass	Housing type
TR	0 = none	30 40 60	R1 = single-sided R2 = double-sided	M40 = MOBALine h/m M41 = MOBALine h/m/s N40 = NTP h/m N41 = NTP h/m/s	200 210	0 = mineral glass 3 = Plexiglas Resist 100 6 = Polycarbonate lens (convex)	PO = plastic white* P1 = plastic anthracite** MO = metal white* M1 = metal anthracite** M2 = metal chrome steel color *RAL 9002 **RAL 7021

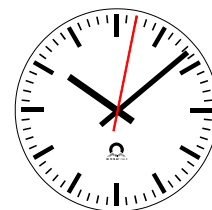
Double-sided clock with NTP synchronization:

Only one LAN connection is needed. Double-sided NTP clocks consist of two MOBALine clocks and one Network MOBALine Interface. Full NTP supervision and configuration available.

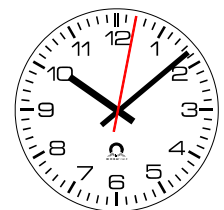
Order example: TR0.40.R1.M40.200.0.PO

TREND clock, Ø 40 cm, single-sided, MOBALine synchronization and powered, with hour and minute hands dial type 200, mineral glass cover and white plastic case (RAL 9002).

Type	Ø	Description	Bracket length
TR...WS	30/40/60	Wall or ceiling set	10 cm
TR...DS.LL	30/40/60	Ceiling set with var. length	LL = 50 or 100 cm



Dial 200



Dial 210

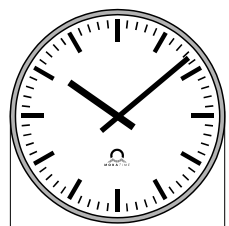
Option ceiling flange



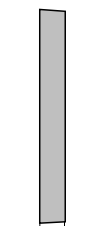
Standard:
Plastic



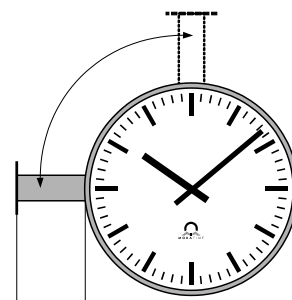
Option:
Stainless steel



Ø 315 / 417 / 620

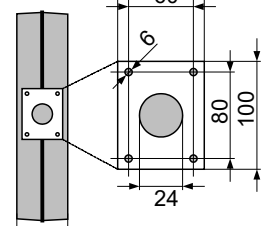


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Ø 315 / 417 / 620



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Technical data	TREND			
	M40	M41	N40	N41
Movement	M40	M41	N40	N41
Synchronization	MOBALine		Network Time Protocol (NTP), UTC	
Supervision and configuration	-		Management Software MOBANMS SNMPv2, alarm and alive traps Multicast, Unicast (DHCP) IPv4, IPv6	
Setting time after restart	< 3 minutes 20 seconds			
Daylight saving time changes	< 15 seconds			
Power supply / consumption	MOBALine: > 10 V, 50 Hz / < 10 mA		PoE, phantom or pins 4,5 / 7,8 (class 1)	
World time	with IF 480 WT (option)		time zone table from time zone server	
Accuracy	typically < +/- 50 ms (synchronized)			
Synchronization loss	Signalization after 24 h by setting hands to 12 o'clock position Deviation typically +/- 2 s after 24 h			
Number of motors	1 (h/min)	2 (h/min + sec)	1 (h/min)	2 (h/min + sec)
Protection degree	IP 40 (mounted)			
Temperature range	-10...+55°C			
Clock weight	850 g		1150 g	
Clock diameter	315 / 417 / 620 mm			
Options	TR.DF.V2A: Ceiling flange stainless steel (Art. no. 119 354) (also available in white and anthracite)			