

Tech-Sheet

Thermal Printer Type POS 58mm

The simplest timing system for equestrian sports coming soon at 2nd quarter of 2020.
Preliminary version.

Photocell System
External Light Security
Range IR Transmitter

infra-red, pulsing
10 kLux / 20°
Standard version 45m or Extended 70m
both with functional reserve

Time Precision
Time Base
Time Drift

high precision timing system, GPS synchronized
1/10.000 sec
< 1 ppm @ -40°C < T < 85°C,
Ageing +/- 1 ppm max per year

IR Receiver Precision
Radio Frequency

< 200 µS, repeated, fixed delay 500ms
ISM Band 863 < 870 MHz (Europe) 28 Channels,
Mesh network topology

Power
Range

32mW
typ. 500m line of sight, nom. 2,5km optimal conditions

Stand-by Memory Function
Safety Function
GPS Receiver
Charge & Sync Socket
Working Temperature
Working Time

active for 4 hours after switching module off
save sync clock
GPS, Glonass (optional)
5 pin socket RS485
-20°C < T < 60°C
@ 20°C up to 120 hours (Transmitter),
up to 85 hours (Receiver)

Battery

internal Lithium-Ion Rechargeable Pack 8,4V /
6700mAh

Battery Loading
Safety Unit

with special charger @ 10°C < T < 45°C
over voltage / under voltage / short circuit protection
/ current limit

Dimension, Weight
Homologation

176 x 112 x 56mm , 800g
coming soon at 2nd quarter of 2020





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