Tech-Sheet

FLS-152 T, FEI certified

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

Photocell System	**infra-red, pulsing**
External Light Security	**10 kLux / 20°**
Range IR Transmitter	**Standard version 45m or Extened 70m both with functional reserve**
Time Precision	**high precision timing system, GPS synchronizied**
Time Base	**1/10.000 sec**
Time Drift	**< 1 ppm @ -40°C < T < 85°C, Ageing +/- 1 ppm max per year**
IR Receiver Precision	**< 200 µS, repeated, fixed delay 500ms**
Radio Frequency	**ISM Band 863 < 870 MHz (Europe) 28 Channels, Mesh network topology**
Power	**32mW**
Range	**typ. 500m line of sight,nom. 2,5km optimal conditions**
Stand-by Memory Function	**active for 4 hours after switching module off**
Safety Function	**save sync clock**
GPS Receiver	**GPS, Glonass (optional)**
Charge & Sync Socket	**5 pin socket RS485**
Working Temperature	**-20°C < T < 60°C**
Working Time	**@ 20°C up to 120 hours (Transmitter), up to 85 hours (Receiver)**
Battery	**internal Lithium-Ion Rechargeable Pack 8,4V / 6700mAh**
Battery Loading	**with special charger @ 10°C < T < 45°C**
Safety Unit	**over voltage / under voltage / short curcuit protection / current limit**
Dimension, Weight	**176 x 112 x 56mm , 800g**
Homologation	**coming soon at 2nd quarter of 2020**

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