TAGHeuer by Chronelec

# DISTANT DECODER

# Distant Decoder

- Is driven by a Protime Elite Decoder
- Internal memory to save passings
- Secure communications protocol with the controlling Protime Elite Decoder
- Extremely high accuracy (down to 1/1000$^{th}$ of a second);

## Description

The decoder provides intermediate times (“split times”) on a circuit. The Distant Decoder can be connected to the controlling Protime Elite Decoder with either an RS485 network or a TAG Heuer radio network.

Once a passing is detected on the Distant Decoder it is securely reported to the main decoder. Up to 32 Distant Decoders can be used on your circuit.
By using two loops attached to a single Distant Decoder, you can measure an instantaneous passing speed. This configuration is extensively used to provide speed trap information by many organisations, including the test center of F1 BMW Miramas in France, Madras India, FFSA (French Federation of Auto Sport).

**Connections**
1 loop input (finish line)
1 photocell input
1 manual input (to simulate a transponder passing)
1 audio output (beep for each transponder passing)
1 AUX output (red lights, horn)
1 RS485 or RS232 output

**Option**
2 loops input (Speed Trap)
1 GPS synchronisation
1 SD Card reader

**Detection loop**
Maximum width of the track (passive loop) : 25 m (82 ft)
Maximum width of the track (active loop) : 10 m (33 ft)
Maximum length of the coaxial cable : 100 m (330 ft)

**Compatible products**
- ELITE PRO and ELITE decoder

**Specifications**

**Clock stability**
Oscillator TCXO 0.5 ppm

**Power**
12 VDC via adapter

**Temperature range**
-20 to 55 °C (-4 to 131 °F)

**Dimensions**
160 x 100 x 52 mm
6.3 x 3.9 x 2 in

**Resolution**
0.001 s

**3 Year Warranty**

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