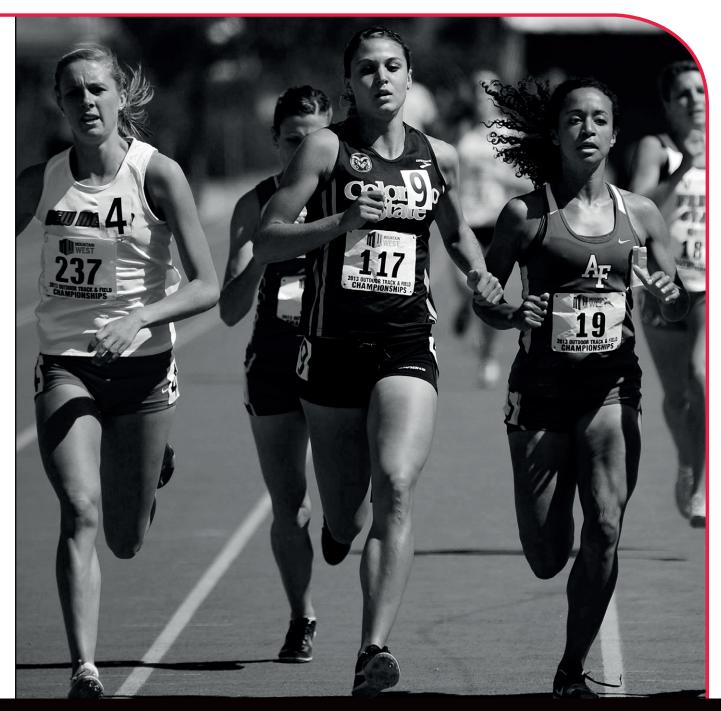




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PRESENTATION

Active detection loops are integrated on the ground surface or in the ground at all timing points along the track.

An active detection loop works as an antenna by picking up the transponder signals and emitting an activation field to activate the transponders.

The loop works in snow, ice, mud, dirt ground, asphalt.
The TAG Heuer By Chronelec loops are resistant.

This loop is compatible with **TAG Heuer By Chronelec** transponders.



THE DIFFERENT LOOPS

CUSTOMIZED CABLE OPTION

To always respond to your needs, you can obtain a customized length of coaxial cable.



RF AUTONOMOUS SUITCASE KIT

FOR RF ACTIVE LOOP.

It is used to power an RF active loop to make it independent of the RF decoder. Autonomy of 48h minimum. Waterproof. LCD display showing real-time battery voltage information.

This kit includes:

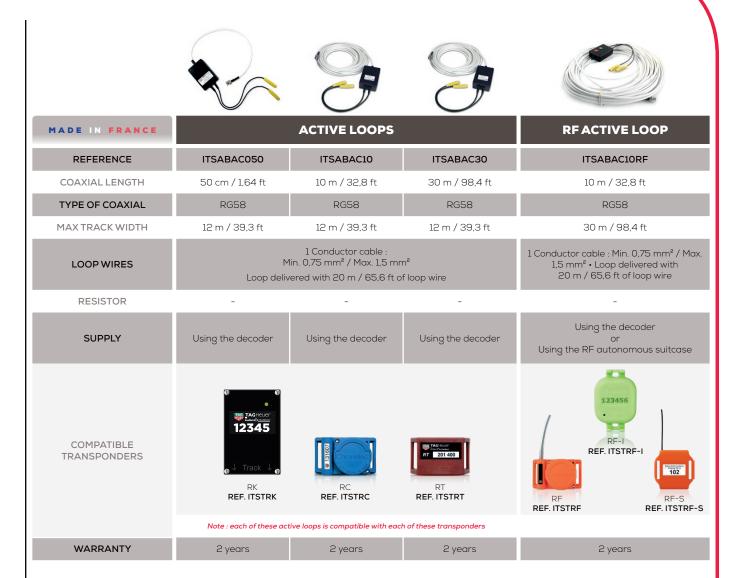
- 1 suitcase
- 1 battery
- · 1 charger
- Connections

REF. ITSVA-BARF

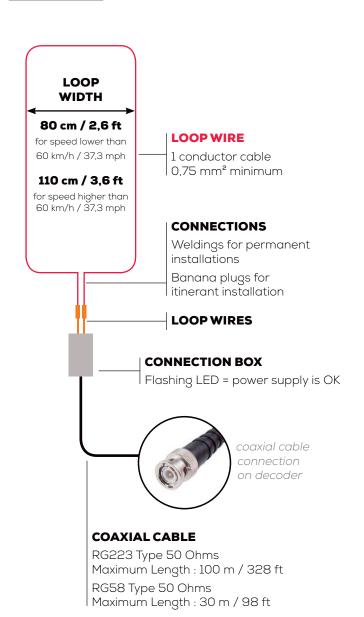
INFORMATION

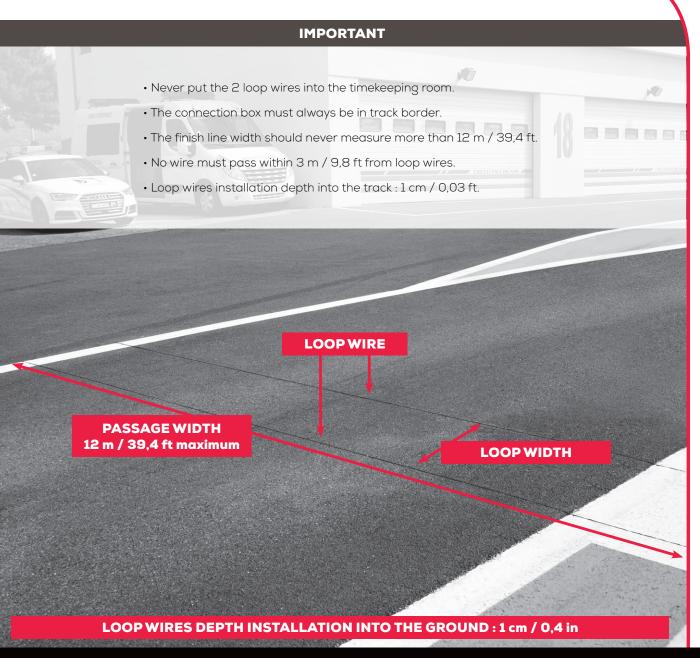
It is recommended to refer to the installation diagram corresponding to your installation for optimal implementation and conformity of uses. Available free of charge on our website.

ACCESS TO THE DIAGRAMS



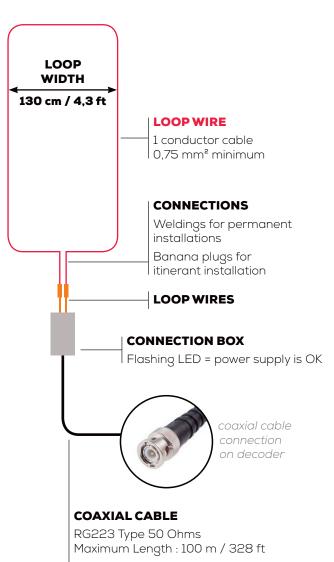
INSTALLATION ON ASPHALT TRACK





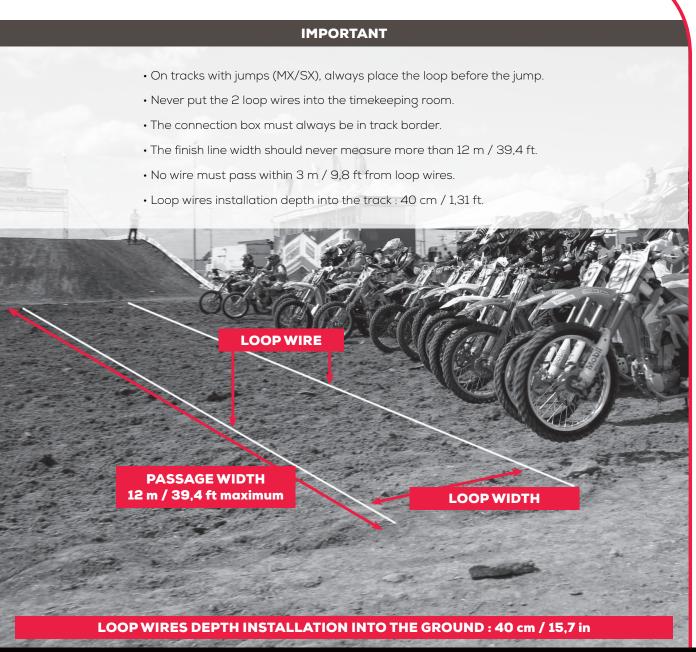


INSTALLATION ON DIRT TRACK



RG58 Type 50 Ohms

Maximum Length: 30 m / 98 ft

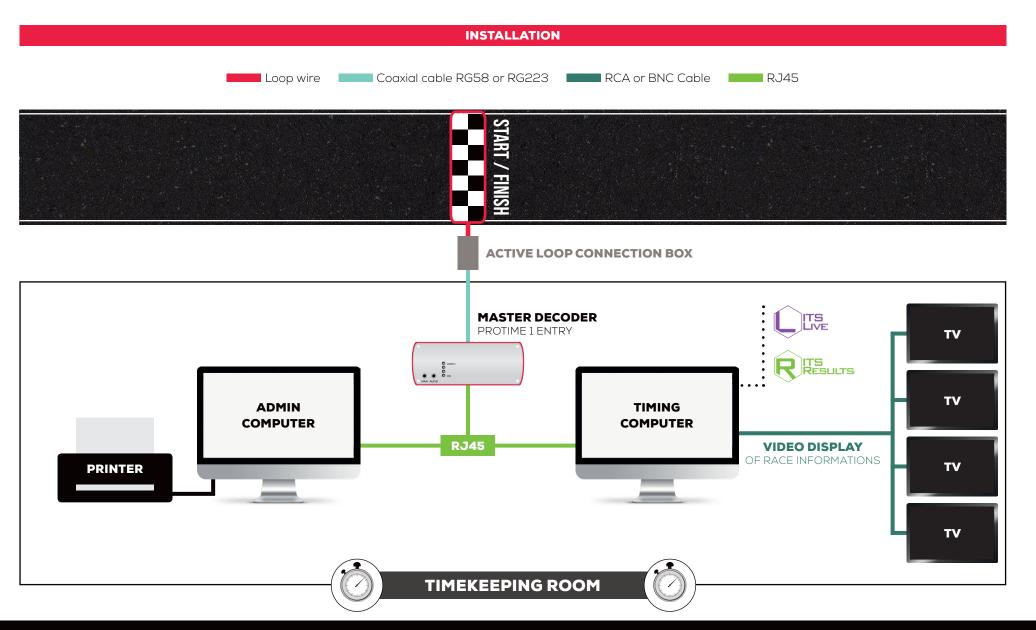


7



ACTIVE LOOP

INSTALLATION DIAGRAM - ONE LOOP SYSTEM





DECODERS















AUX CONNECTION

This connection DB15 format, among other things to control starting lights or connect a serial printer, but it also allows you to connect a TCDCOM box to manage your RS485 network (remote decoder, photocells).

RS232 CONNECTION



Connect your decoder directly with a computer via an USB adapter.

RJ45 CONNECTION



Use your decoder directly on your computer network.

MANUAL INPUT / AUDIO OUTPUT



You can connect a manual switch HL18D for manual time recording.



Connection of speakers or headphones to listen for detection bips.

AUTONOMOUS SUITCASE KIT

FOR INDUCTION DECODER.

It allows to work quietly whatever the place thanks to a minimum autonomy of 28 hours.

This kit includes .

- 1 suitcase
- 1 battery
- 1 charger
- Connections

REF. ITSKVI



MADE IN FRANCE		DISTANT DECODERS						
DECODER	PROTIME ELITE	1 ENTRY	2 ENTRIES	PROTIME RF	1 ENTRY	2 ENTRIES		
REFERENCE	ITSDE	ITSDP1	ITSDP2	ITSDP1RF	ITSDDI	ITSDVI		
WARRANTY	2 years	2 years		2 years		2 years	2 years	
POWER SUPPLY	12vdc (adapter) or using the autonomous suitcase	12vdc (adapter) or using the autonomous suitcase		12vdc (adapter)	12vdc (adapter) or using the autonomous suitcase			
OSCILLATOR	TCXO 0,5 ppm	TCXO C),5 ppm	TCXO 0,5 ppm	TCXO 0,5 ppm			
RESOLUTION	0,001 s	0,001 s		0,001 s	0,001 s			
DIMENSIONS	160 x 100 x 52 mm 6,3 x 3,9 x 2 inch	160 x 100 x 52 mm 6,3 x 3,9 x 2 inch				276 x 272 x 94 mm 10,9 x 10,7 x 3,7 inch	160 x 100 x 52 mm 6,3 x 3,9 x 2 inch	
WEIGHT	600 g / 21,16 oz	525 g / 18,5 oz	540 g / 19 oz	1460 g / 51,5 oz	500 g / 17,6 oz	520 g / 18,3 oz		
TEMPERATURE RANGE	from -20°C to 55°C from -4°F to 131°F	from -20°C to 55°C from -4°F to 131°F		from -20°C to 55°C from -4°F to 131°F	from -20°C to 55°C from -4°F to 131°F			
SYNCHRO GPS	YES	NO		NO	OPTIONAL			
LOOP INPUTS	2	1	2	1	1	2		
PHOTOCELL INPUTS	2	1	2	NO	1	2		
MANUAL INPUT	1	1		1	1			
AUDIO OUTPUT	1	1		1	1			
RS232 CONNECTION	1	1		1 NO		1		
AUX CONNECTION	1	1		NO	1			
RJ45 CONNECTION	1	1		1	-			
ACTIVE LOOP USE	YES	YES		YES	YES			
PASSIVE LOOP USE	YES	YES		NO	YES			
OTHER INFORMATION	Manage up to 32 loops Memorize all the runs LCD display Internal battery	Memorize until 2000 passages		Communication between transponder in decoder 868 / 915 Mhz Passing historic	Render split times to the main decoder Uses the RS485 protocol to interact			

2h autonomy

TRANSPONDERS

EXPERIENCE AND TECHNOLOGY

The experience of **TAG Heuer by Chronelec** in timing allowed the elaboration of a whole range of transponders.

Their reliable technology makes these transponders, undeniable and essential precision tools.

Whatever the sport, the level of competition, the technical constraints, you will always find the right transponders for your needs.

	11100	RF 201 400		Service and the service of the servi	123456					
MADE IN FRANCE	ACTIVE LOOP USE									
TRANSPONDERS	RC	RT Waterproof	RF Radio 868 / 915 Mhz	RF-S Radio 868 / 915 Mhz Waterproof	RF-1 Radio 868 / 915 Mhz Waterproof					
REFERENCE	ITSTRC	ITSTRT	ITSTRF	ITSTRF-S	ITSTRF-I					
WARRANTY	2 years (battery not guaranteed)	2 years (battery not guaranteed)	2 years (battery not guaranteed)	2 years	2 years					
POWER SUPPLY	Button Battery 3V CR2450 Lithium	Button Battery 3V CR2450 Lithium	Button Battery 3V CR2450 Lithium	Button Battery 3V CR2032 Lithium	Button Battery 3V CR2032 Lithium					
AUTONOMY	3/4 years or 122 000 transit	3/4 years or 122 000 transit	3/4 years or 122 000 transit	3 years	3/4 years or 122 000 transit					
CHARGE CYCLE	Interchangeable Battery	Non-replaceable Battery	Interchangeable Battery	Non-replaceable Battery	Non-replaceable Battery					
MAX DETECTION HEIGHT	1,20 m 3,93 ft	1,20 m 3,93 ft	4 m 13,1 ft	4 m 13,1 ft	4 m 13,1 ft					
MAX SPEED DETECTION	120 km/h 74,6 mph	120 km/h 74,6 mph	140 km/h 87 mph	140 km/h 87 mph	140 km/h 87 mph					
DIMENSIONS	48 x 28 x 12 mm 1,9 x 1,1 x 0,5 in	48 x 28 x 12 mm 1,9 x 1,1 x 0,5 in	48 x 28 x 12 mm 1,9 x 1,1 x 0,5 in	42 x 43 x 6 mm 1,6 x 1,7 x 0,2 in	34 x 50 x 9 mm 1,3 x 2 x 0,35 in					
WEIGHT	19 g / 0,7 oz	19 g / 0,7 oz	23 g / 0,8 oz	12 g / 0,4 oz	16 g / 0,56 oz					
TEMPERATURE RANGE	from -20°C to 70°C from -4°F to 158°F	from -20°C to 70°C from -4°F to 158°F	from -20°C to 70°C from -4°F to 158°F	from -20°C to 70°C from -4°F to 158°F	from -20°C to 70°C from -4°F to 158°F					
SET	PVC Holder or Neopren Strap	PVC Holder or Neopren Strap	PVC Holder or Neopren Strap	Neopren Strap	Neopren Strap					
SPORT	Rental Karting Cycling Running Cross skiing Roller Skating	Rental Karting Cycling - Running Cross skiing Roller Skating Triathlon	Rental Karting Cycling - Running Cross skiing Roller Skating Motocross	Cycling Running Cross skiing Roller Skating Triathlon	Cycling Running Athletics - Triathlon Roller skating Karting					





TRANSPONDER DETECTION HEIGHT

DETECTION HEIGHT: ITS USEFULNESS

On dirt or asphalt track, with passive loop and **RC** or RT transponder, the transponder detection height ensures the proper functioning of equipment before a race and perfect detection of competitors when they pass on the timing loop.

For convenience, it is essential to be two people. The first person to adjust the height of the transponder and the second to see the LED on the front panel of the decoder.

IMPORTANT

The RC or RT transponders emit 0,5 s during their activation by the loop, then go to stand by.

If you don't find the detection height within this time, you will need to exit the activation field and return to it to restart step 3.

STEP 1

Connect the coaxial cable of the connexion box to the decoder (LOOP 1 jack).

Connect the decoder on electricity.

Check the power supply of the loop: the GREEN LED on the connection box is on.

STEP 2

Start this step by standing with the transponder at 5 m (16,4 ft) from the loop (not to activate the transponder).

Place yourself in the middle of the timing loop by holding the transponder **PARALLEL TO THE TRACK**.

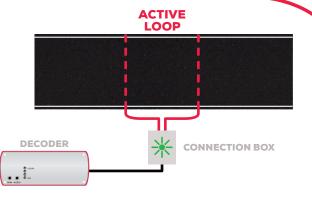
Hold on the transponder - still parallel to the track - over your head, with your arm extended.

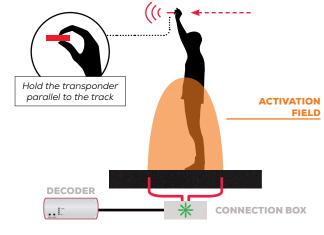
STEP 3

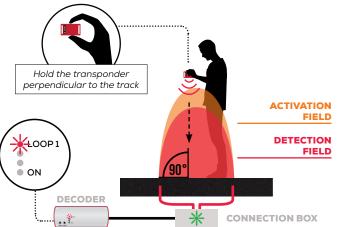
Hold the transponder **PERPENDICULAR** to the track, move down the arm while holding the transponder towards the track until the transponder LED lights up.

Keep going until the **LED LOOP 1** decoder turns **CONTINUOUS RED** (no flickering) stop movement with the transponder.

You found the maximum detection height of your loop.











23, rue du Comté de Montbéliard 25660 MONTFAUCON - FRANCE

contact@itschrono.com

+33 (0)3 81 57 52 09

www.itschrono.com

MADE IN FRANCE