TIMING FOR ORIENTEERING

Emit has developed, produced and sold timing equipment for orienteering since 1994, when our Electronic Punching- and Timing-system was introduced.

This brochure gives you an overview of our products for orienteering, with a short explanation of functionality and compability.

E-card ver.5

The ver.5 e-card is the newest version of our original e-card from 1994. The e-card has been through several significant upgrades over the years, latest in 2015 with new and improved electronics. This years' version has a pink-red color.

The ver.5 e-card is compatible with all control units, ePost controls and the TFP controls.

E-card ver.6

The ver.6 e-card was introduced in 2016, and has been a great success. It has a built-in led, that flashes for 5 seconds when a control is registered (punching). The ver.6 e-cards are more sensitive than the ver.5 e-card, which means a correct punching can be confirmed faster. It comes in a pink-red colour, with an artistic foil on top - where the led is embedded.

The ver.6 e-card is compatible with all control units, ePost controls and the new TFP controls.

emiTag V3

The emiTag V3 is an active, electronic timekeeping tag that can be used in a variety of sports. Has been in production since 2006, and has been used as an official timekeeping unit for orienteering since 2010. All electronics in the emiTag chip are covered with casting compound so that it is 100% waterproof. Comes with an elastic band specially designed for orienteering.

The emiTag is compatible with TFP controls, as well as TFT controls, but cannot be used with traditional control units or ePosts.

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Control unit

The control unit has been in production since 1994. All control units has a hardcoded code varying from 31 to 249, which corresponds with the placement of the backup spike. Optional led.

The control units are compatible with all e-cards, but not with emiTags.

ePost controls

Th ePost controls were introduced in 2015. They are identical to the standard control units with one exception; all punches are broadcasted by the internal radio transmitter. By combining an ePost control with an ETS, online intermediate times can easily be available. This solution has been used by Jukola for several years.

The ePost controls are compatible with all e-cards, but not with emiTags.

Touch-Free Pro (TFP) controls

The TFP controls were introduced in 2010, and have been used at several major championships. The TFP control sends out a code, which is registered by the emiTag, when the tag is within a field of approx. 75 cm, for about 1/10 second. E-cards must be positioned on the designated area to get an approved punching. TFP controls are made with codes from 100 to 199, plus START and FINISH.

The TFP controls are compatible with all e-cards and emiTags.

Touch-Free Trainer (TFT) controls

The TFT controls were introduced in 2010, and are made for use in permanent courses, school orienteering and practice. They are powered by two AA batteries, which lasts for one season. The signal range is approximately 30 cm standing still. TFT controls are made with codes from 100 to 199, plus START and FINISH.

The TFT controls are compatible with emiTags.

eScan2

eScan2 is our main reader for all types of e-cards and emiTags. Lap times are printed on the wireless printer and data is transferred to the PC via USB cable. Comes in a handy case, with wireless thermal printer, power pack, cables and extra paper rolls.

Compatible with all e-cards and emiTags.

Emit Start Display ESD2

Emit Start Display ESD2 is a digital start display suitable for orienteering, cross-country skiing, biathlon, cycling and other sports with interval start. The display has two lines of six digits, which can show both digits and lowercase / uppercase letters. The time is usually displayed on the top line, while the start number and the count of seconds to the next start are displayed on the bottom line.

ECU reader

The ECU was introduced in 2010, and is mainly used for reading emiTags at the finish. It can also be used for testing and re-programming of emiTags.

Compatible with emiTags.

Selftiming for EPT/Touch-Free

Emit Selftiming Set is a newly developed product intended for use in fixed installations (weekly course, regular training round, etc.), where participants use e-cards or emiTags. The self-timing set makes it possible for participants to walk / run "when it suits them".

Compatible with all e-cards, as well as emiTags.