

Comparison List between MTS & CC

| Parameter | | MTS System | CC System |
|---|------------|--|---|
| Percentage of obtaining the time | | 99.99%(by single line) | 99.97%(by main line + sub line) |
| Number of obtaining time among mass | | 5persons/m2 | 2persons/m2 |
| Time accuracy (1) | | 1/100 sec. | 1/10 sec. |
| Time accuracy (2) | | about 23cm | Length in between the two steps (max about 2m) |
| Readable distance | | 180cm | 50cm 100cm for Active chip system to be released in 2005? |
| Weight of system: Receiver Charger Checker | | 15kgs 8kgs 1.4kgs | 3 5 k g s 14kgs (DIGIBOX2) |
| Antenna mat | Weight | 3kgs/m2 (including ANT cable) 3kg x 4=12kgs (Can be modified to any shape.) | 30kgs (1m x 2m) x 8pcs.=240kgs Light version: 15kgs x8pcs.=120kgs (Fixed and rigid.) |
| | Thickness | 3mm | 12mm for Classic and Light weight version mat |
| Main Power Source | | External battery (Car battery can be used.) | Internal (built-in) battery 34Ah |
| Required power | | DC12V(About 4A) | DC12V(About 2A) |
| Back-up power source | | Built-in power source for 10min. | Built-in power source for 34Ah (Can be changed by main power source.) |
| If PC is required or not. | | Not required. | EAR is required. |
| Required time for installation | | 2 min. per 1 person for 4m | 10min. Per 2 persons for 2 Yellow boxes+ 8 x 4m mats |
| Method of adjustment | | Automatic tuning | Manual tuning for required numbers of Antennas. |
| GPS time | | Possible to be obtained. | Not possible to be obtained. |
| Chip | Unit price | Euro13 (Water proof version) | Euro5 for classic version Euro30-35 (Active chip to be released in 2005) (Royalty should be paid for CC Active chip) |
| | Weight | 8 gram (water proof version) | 3 gram (Classic chip) 20 gram (Active chip to be released in 2005) |
| Price of system | | Euro12,400 for 1 Reader (measuring 12m by 1 line) Euro670/1 x 4m Antenna Mat) Euro960/1 x 8m Antenna Mat) | Euro15,500 for 2 Yellow boxes + 8 Mats (measuring 4m by 2 (main + sub) lines) Euro1,625 for EAR Unit price of Mat: Euro525 |
| In case of measuring 8 m width | | 1 Reader + 1 x 8m Antenna Mat Total price: Euro13,360 Weight: 39kgs Required time for installation: 3 min. /1 person | 4 Yellow boxes + 16 Mat + EAR Total price: Euro32,625 Weight: 540kgs Required time for installation: 20 min./2 persons |
| CE | | O.K. | O.K. |
| FCC | | O.K. | O.K. |
| For Running | | Possible | Possible |
| For Bicycle Race | | Possible for 1/100sec. | Less possible (for only 1/10 sec.) |
| For Triathlon | | Possible | Possible |
| For Inline skating | | Possible (by Aerial Antenna) | Practically not possible (by thick mats) |
| For Cross-country skiing | | Possible | Possible (but installation of mat in the snow is hard.) |
| Chip & Bib number | | Chip is attached to Bib number. Easy to register the athletes. | Chip cannot be attached to Bib number. Chips and Bib numbers should be managed separately. |
| Chip Maintenance | | Required to be charged. | Charging is not required. |