

TAG Heuer CP 520 Data Transmission – Technical Description

1. General

ON-LINE and OFF-LINE data transmissions from the **COMPUTER port** of the CP520 respect the following transmission format. This format always comprises 30 characters + CR under the RS232 protocol at **9600 bds.**

1 or 2	Characters for Data String Identification
3	Characters for the ranking
2	Space
4	Characters for Competitor Number
1	Space
2	Characters for Timing Input Channel
1	Space
15	Characters for Time
1	<CR> = End of Data String

Characters not used in the transmission of any value are replaced with a space.

2. Data String Identification Characters

S	Creation of a new RUN
S	Split time
L	Lap time
T	Time recorded on one of the input channels
R	Calculated Net Time for a Competitor
T-	False Start or False Finish (time disassociated)
T*	Any time modified through manipulation of start number
T+	Any time used if manually input using RECALL - INSERT
T=	Any duplicated time using FUNCTION - DUPLICATE
TC	Any discarded time rejected using "0# in RECALL"

3 Examples of Data Strings produced by the CP 520

Times taken for Competitor #2 on input channels 1 and 2 (Manually)

```
T 2 M1 09:09:15.608000<CR>
T 2 M2 09:09:27.277000<CR>
```

Net time for Competitor #2, ranked in position 1 at 11.669 seconds.

```
R 1 2 11.669000<CR>
```

4 Distinctive Characters Placed at the Start of Times Printed or Transmitted to PC

-	False Start or False Finish (disassociated times)
*	Competitor Number Modified with this time
+	Manually Entered Time using INSERT
=	Duplicated Time using function DUPLICATE
C	Any discarded time rejected using "0# in RECALL"