

Type 1700S

Telephone Analyzer

(Type 1700 Upgraded version)

Model-170(A) has ceased to produce, and Upgrading will be completed formally by around May 01, 2011

- (A) Type 1700S consists of **Model-170S (mainframe)** + other peripherals (Artificial line, artificial ear, Model-147B test head etc.), it is practical identical to Type 1700, the sole difference is that mainframe of Type 1700S is Model-170S, while Type 1700 has the mainframe as Model-170A (or Model-170).
- (B) Difference between Type 1700S and Type 1700 in sense of hardware design :
- (a) Model-170S mainframe no longer uses the 586 motherboard.
 - (b) Model-170S mainframe instead uses the Embedded Single Board Computer (SBC) and CF Card reset framework, and no longer uses floppy disk reset framework.
- (C) Difference between Type 1700S and Type 1700 in sense of operation software :
- (a) Gather up the operation softwares for the commonly use countries specification onto a CF Card , to eliminate the inconvenience in switching one operation software of a certain country specification to another one ,Type 1700S is provided with the operation software for the following fundamental countries specification :
 - ① TBR-38 1998 (Must use with Model-163CTR)
 - ② TIA/EIA-470B (Must use with Model-173B)
 - ③ GB/T15279-2002 (Must use with Model-173C)
 - ④ AS/ACIF:S004:2001 (Must use with Model-173AUS-01)
 - ⑤ Digital Wire line Telephone (ITUT, Must use with Model-173IP)
 - ⑥ EIA 504 (H.A.C. test, must use with Model-154F4)
 - ⑦ EIA RS-504 (H.A.C. test, must use with Model-154F4)
 - ⑧ ANSI/TIA 1083-2007 (Must use with Model-254 and Model-254AP)
 - ⑨ CTR-7S (Must use with Model-CTR-7S, use to calibrate the Model-170S mainframe)
 - ⑩ M&E-CAL (Software for mutual calibration of artificial mouth and ear).
 - (b) For any amendments of test conditions on the setting page, user may use the Model no. of the under testing telephone as the file name (or may set his own file name), to save the amended data onto the CF Card (Filename is restricted to only eight characters in both alphabet and numeric).



(c) The test report page for the aforementioned item can be saved onto the CF card, the file being saved has two formats: text file (*.txt) and Excel file (*.xls), user may choose to save or not to save. Text file is being saved in form of "Written Words", which helps user to understand easily; while Excel file is use for statistic or analysis purpose.

(Important statement: Type 1700S will only save the test report page onto the file , any other test pages, including the response curves and values on the test screens of "Test Menu" will not be saved in onto the file,since the contents are complicated).

The calibration report pages of the afore-mentioned will automatically being saved onto the CF card in Text format. Text file is being saved in form of "Written Words", which helps user to understand easily

(d) Basically, operation software for Type 1700S have the same number of version as Type 1700, the only difference is on the prefix alphabet, example, for the version of a certain country specification, Type 1700 is prefix as **M 6.45**, while Type 1700S is prefix as **S 6.45**.

(D) Type 1700 can upgrade its floppy disk framework as CF Card framework, while the 586 motherboard of Model-170A remains as it is, unless 586 motherboard got faulty (Please refer to the explanation on item (E)), otherwise, there is no need to make any amendment. Operation software can be upgraded simultaneously as Type 1700S. Upgrading means amend the following software and hardware portions:

(a) One especially made CF Card reader (replace the floppy disk)

(b) One especially made I/O card (Use with CF Card)

(c) One CF card with 128M capacity , it contains the operation software on (C) (a) of the afore-mentioned

If wish to amend the operation software for other countries specification (other than the operation softwares on (C) (a) of the afore-mentioned, then Sunlight Electronics Laboratory will charge the subsequent amendment fee. The contents for the software amendment should be the same as (b) (c) (d) of (C) of the afore-mentioned, so as to accommodate with Type 1700S, sorry for unable to make amendment in accordance to the specify requirements of the user.

For more detail on the amendment and fee, please contact sales dept. of Sunlight Electronics Laboratory at phone no.:+ **886 2 2222 3759**



- (E) If the 586 motherboard of Model-170A is defective and need to replace a new one, due to the fact that 586 motherboard is now severely out of stock, thus, in process of upgrading, it is necessary to eliminate 586 motherboard, and need to buy an additional PCB board and a piece of the Embedded Single Board Computer (SBC), as replacement is somewhat complicated, please contact Sunlight Electronics Laboratory for having replacement.
- (F) Whether or not 486 mother board (Model-170) is defective, as Model-170 is of very old model, the printed circuit board is not compatible with the new one, sorry for unable to upgrade Model-170, **please exchange the old model to new model by consider buying Type 1700S.**
- (G) File Example :

