



Housings for Television Equipment

THE new range of Mark IV television equipment, based on the use of printed-circuit boards, introduces a new range of consoles, cases and racks which enable the basic equipment to be used for varying studio and mobile functions. At the same time the finish has been changed to oyster grey hammer enamel to provide a surface which is both hard-wearing and easily cleaned.

CONSOLE

The Type 4785 Studio Console, while keeping the same overall height as earlier models, has been made extremely flexible by careful mechanical design. The unit has been arranged to house the Type BD 873 Picture and Waveform Monitor together with the camera control panel or similar combinations of units.

The desk section, which has a Formica writing surface, is completely removable for ease of access to control panels mounted in the well. The well can accommodate panels 10 in. (25.4 cm) high and 14 in. (35.6 cm) wide.

The well now provides a horizontal surface which improves visibility of controls. An alternative desk unit is available

containing no well but which gives 6 in. (15 cm) more to front-panel height.

The standard console is provided with back and top covers, desk unit and plinth but separate side covers are provided for ends of groups of consoles. Provision is also made for a variety of mounting runners, to suit alternative picture and waveform monitors.

SERVICING TRAY

A new principle has been adopted for making the monitors withdrawable for servicing. An angle-section tray can be drawn out from beneath the monitor and when fully extended the tray remains locked in that position. The monitor can then be rolled out of the housing, assisted by an ejector unit containing constant-tension springs which counterbalance the monitor, when used in consoles.

MOBILE CASE

For housing Type BD 873 Picture and Waveform Monitor and other units of similar dimensions, a new mobile case Type 4302A has been designed. It has substantial carrying handles at back and front,

and carries a servicing tray at the bottom. A shock-mounting tray is available for this case.

MONITOR COVERS

Where Type BD 873 Picture and Waveform Monitor is required to be bench or shelf-mounted, it can be fitted with ventilated lift-off covers.

RACK-CABINETS

The re-designed 7 ft-high cabinet for mounting 19 in. (48 cm)-wide standard panel units has open sides, permitting easier access to units. Side covers are required for ends of groupings.

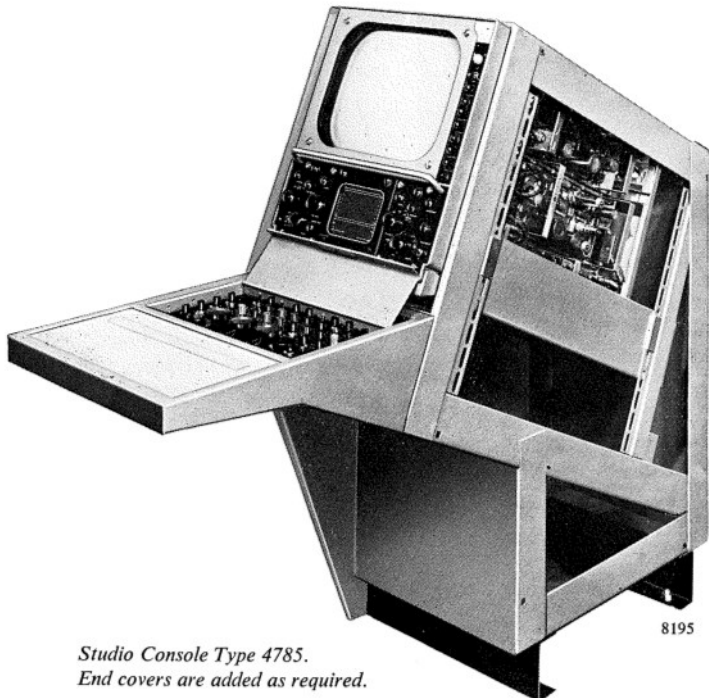
The cabinets are of very strong construction and are capable of carrying heavy loadings without distortion. The depth is 23 in. (58 cm) inside door frames to allow for mounting the printed-wiring cases, which are supported from both front and back cabinet members. Provision is made for attachment of air ducts, or alternatively vented top panels can be provided.

The standard cabinet has two doors and is complete with cable straps, tapped securing angles and plain top panel.

RACK-MOUNTING EQUIPMENT

For mounting printed-wiring cases in the rack-cabinets, a special set of parts is provided for each pair of cases. These form a mounting tray on which the cases are supported, and this acts as a heat baffle between pairs of cases. Cool air is drawn in at the front and hot air from the units is guided outwards at the sides of the rack.

The trays are suitable for natural convection cooling where vented top panels are provided for the cabinets, and front doors are omitted. With forced cooling, the front doors should be retained and the rubber top panels will be found convenient for connecting air ducting which requires only a bottom flange for connection.



Studio Console Type 4785.
End covers are added as required.

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