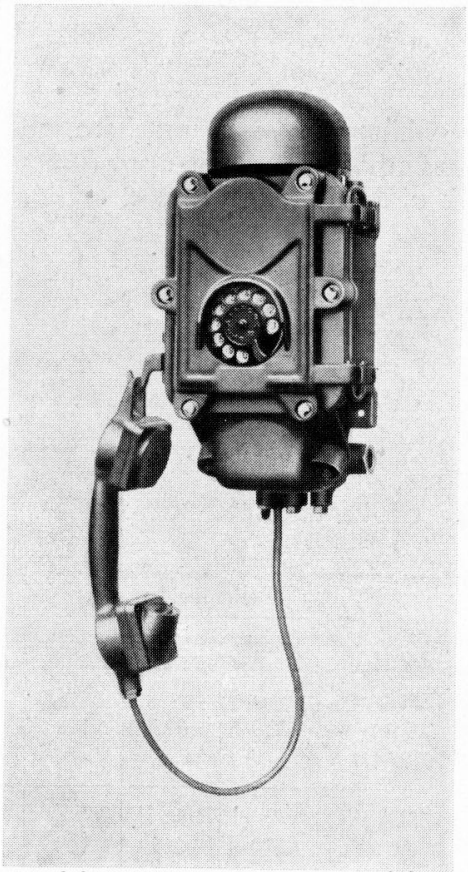
TESLA MINE TELEPHONE INSTRUMENT "T 641 E 30727" FOR AUTOMATIC OPERATION



APPLICATION

The instrument is designed for telephone intercommunication in localities with hazardous atmosphere, e. g., in mines, refineries, chemical works, etc. It works in connection with the automatic telephone exchange. Calls are originated by dialling.

DESCRIPTION

The instrument is ruggedly built of cast-steel. A magneto bell with a bronze gong, diameter 130 mm, is mounted at the top of the instrument. The bell iron hood is fastened to the box with two locked screws which can be loosened only by a special wrench. The leads to the bell are brought into the box through two air-tight grommets. The box is divided into two compartments. In the larger there are the base plate with the induction coil, capacitor, resistance coil, switch hook, switching device, and terminal block. The connecting line and the handset cable are brought through rubber-packed metal grommets into the smaller compartment. Both the compartments are interconnected by means of a air-tight six-way grommet. The handset hook, on the left side of the instrument, passes into the box through a bearing and turns round an axle. The rugged aluminium alloy handset is suspended on the hook.

The instrument is protected by a cover with finished contact surface. The flush-mounted dial consists of the number ring, rotary finger-hole plate, finger stop, and of the inner dial mechanism. The finger-plate shaft, connecting the finger plate with the dial

mechanism, rotates in ball-bearings and passes through a hub screwed in the cover and packed with red-lead and hemp.
The cover is fastened with six locked screws which can be loosened only by a special wrench. The cover, housing the terminals, has finished contact surface too, and is fastened with two special screws.
An extension receiver, model T 512 E 52561, for which a spare outlet is provided, is available on request.

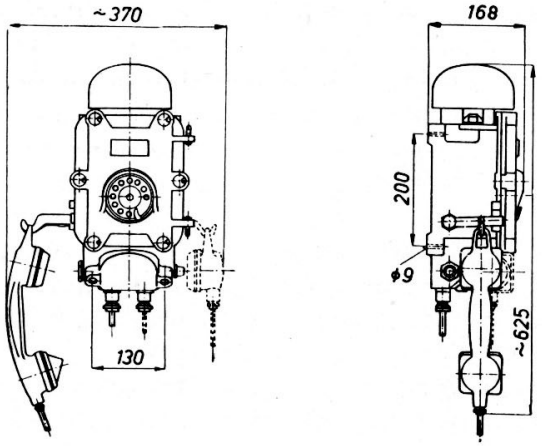
ADVANTAGES

Safe operation in localities with explosive atmosphere, and naturally in damp places too. The telephone box is tested by a static overpressure of 8 atmospheres. After final assembly each instrument is officially tested and checked.

TECHNICAL DATA

Magneto bell: 2 × 200 Ω, 75 V, 20—25 c/s.
Capacitor: 1 μF.
Resistance coil: 400 Ω.
Induction coil: 1st winding 35 Ω, 2nd winding 33 Ω,
3rd „ 95 Ω, 4th „ 200 Ω.
Anti-side-tone.
Max. permissible resistance of the line: 600 Ω.

Item	Model	Dimensions mm			Net weight kg	Order No.	Price
		width	height	depth			
Mine telephone instrument (automatic operation)	TESLA T 641 E 30727/III	330	625	168	23.5		
Ditto, but with extension receiver	TESLA T 641 E 30551/III	370	625	168	24.5		



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