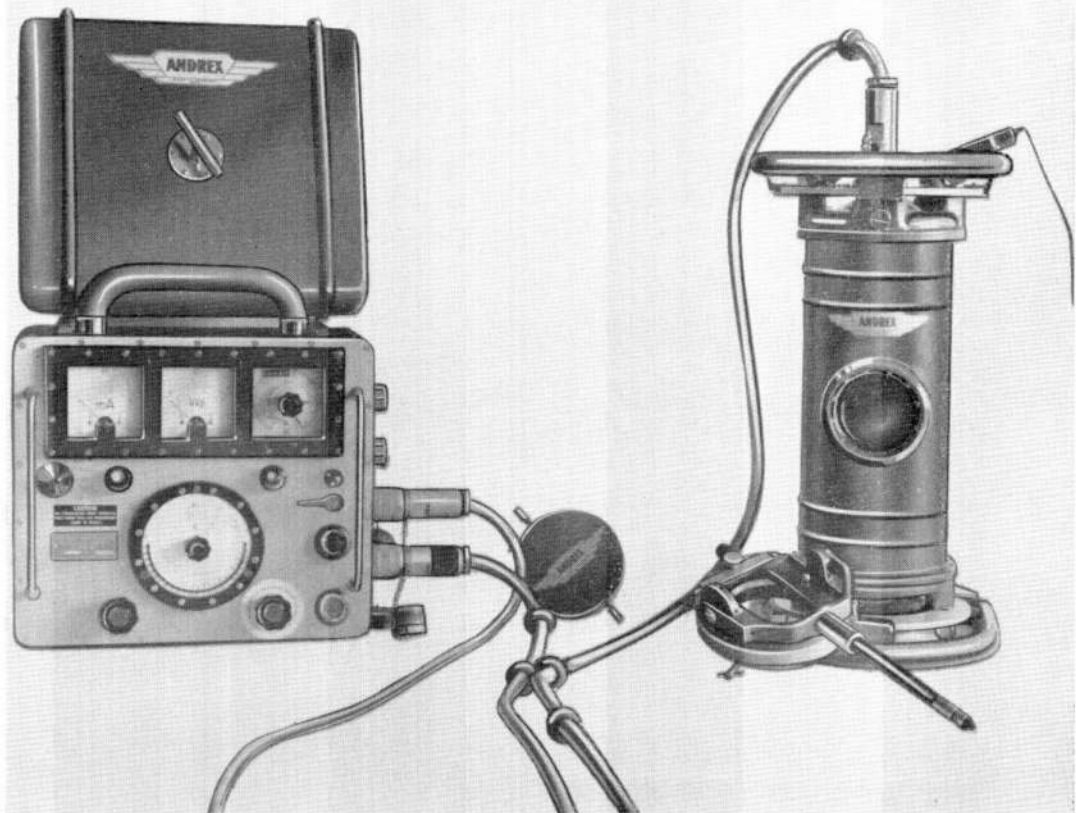


ANDREX TRANSPORTABLE X-RAY UNIT



Ref. No. 63A/139

consisting of {
X-ray tube unit, Andrex (Weight 59 lb.)
X-ray control unit, Andrex (Weight 55 lb.)
Diaphragm, beam limiting and centering
Cover, lead
Cable, power supply, 30 ft.
Cable, control/tube, 60 ft.
Cable, ground connection
Bags, canvas, cable

Associated publication A.P.880C, Vol. 1

BRIEF DESCRIPTION

The *Andrex* transportable x-ray unit is used for the non-destructive testing of aircraft equipment and is capable of penetrating $1\frac{1}{4}$ in. of steel, or the equivalent, within a reasonable exposure time. The *Tube Unit* is self-contained with h.t. transformers, cooling system and the x-ray tube enclosed in a tubular steel tank. Internal lead screening reduces radiation leakage to acceptable levels.

The *Control Unit* which is of sheet steel construction, contains instrumentation for mains voltage, kilo-voltage and milli-ampereage and also embodies an automatic time cut-off for exposures.

The *Beam Limiting Diaphragm* can be attached to the tube aperture and has a telescopic pointer to assist in focussing. Integral shutters made of lead are used to confine the beam to known limits.

The *Lead Cover* is fitted over the tube aperture as a protection during transportation and also when the tube is being warmed up prior to use.

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