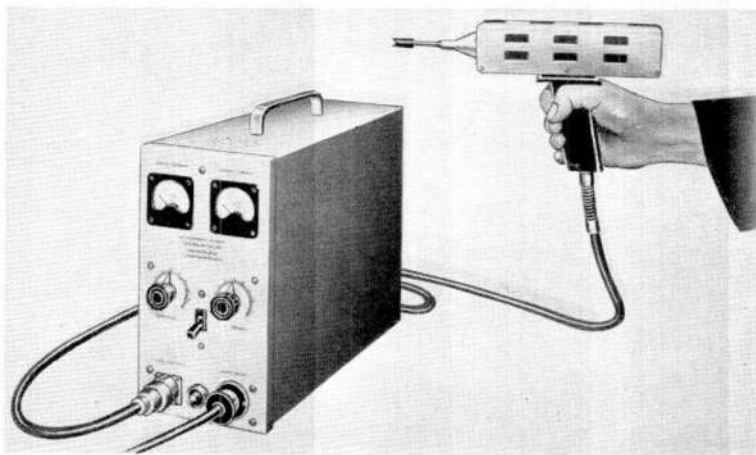


LEAK DETECTION TEST KIT



<i>Ref. No.</i>	...	...	...	...	...	...	5G/3429
<i>Dimensions...</i>	...	...	...	...	...	...	—
<i>Weight</i>	...	...	...	...	...	...	28 lb.
<i>Associated publication</i>							

BRIEF DESCRIPTION

This leak detection kit is provisioned to facilitate the detection and location of leaks in refrigerated or pressurized aircraft systems and radio equipment. The kit comprises a hand-held detector head and a control unit together with a 10 ft. length of cable for connecting the two components and a 20 ft. length of cable to provide connection to an a.c. mains supply.

The detector head contains a small motor-driven fan which draws air or gas through a search probe to a heated element which is sensitive to gases containing halogen compounds. The control unit contains an amplifier, a loudspeaker, indicating instruments, circuit components and controls. It provides a d.c. supply for the fan motor and the detector anode and an a.c. supply for the indirect heating of the anode which in operation is raised to a temperature of 800°C. The power consumption is 100 watts.

When a leak is detected, visual indication is made on the output meter and a series of clicks emitted by the loudspeaker are made to increase in frequency.

Because of the heated electrode in the detector head, the unit is not to be used in the presence of inflammable vapours.

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