

## SURFACE FINISH COMPARATOR



Ref. No. ... .. 5G/3219  
Dimensions... .. 13 in.  $\times$  9 $\frac{1}{2}$  in.  $\times$  7 in.  
Weight ... .. 19 lb.  
Associated publication A.P.4343S, Vol. 1, Sect. 13, Chap. 4

### BRIEF DESCRIPTION

The surface finish comparator is a portable instrument for the measurement of the surface finish of slip-rings and commutators by comparing the finish under test with that of a gauge surface. The comparator consists of a measuring head connected by coaxial cable to an amplifier and indicating unit which operates from a 200/250V, 50 c/s, single-phase supply.

The measuring head contains a crystal transducer together with a stylus and a clamp arm which, when drawn across a surface, produce voltages across the pivoted crystal which are fed to the amplifier and indicator unit. The indicator has three scales, calibrated in micro-inches, 0-10, 0-50, and 0-200, which are selected by a rotary switch.

**RESTRICTED**



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