



Function Generator

RSC-7

The new function generator is a portable test instrument designed to aid railroad personnel in checking the operation of, and making adjustments to Servosafe hotbox detectors. Mounted directly over the aperture, or "eye," of the detector's infrared trackside journal box scanner, the instrument combines an adjustable source of radiation with coordinated gating impulses to provide true train simulation for rapid system test.

The function generator can be used for: (1) determining normal performance of the hotbox detector system with ambient temperature variations; (2) scanner alignment; (3) system gain adjustment; (4) side-to-side comparison of channels; (5) gating check; (6) aiding detection of causes of false alarms; (7) aiding detection of intermittent problems; (8) alarm circuit testing and adjustment; (9) wheel count test (tape vs. counter, and similar system checks). *Servo Corp. of America.*