

# SUBCARRIER MAIN FRAME MODEL SCM-1



BULLETIN 268

The Model SCM-1 Subcarrier Main Frame is designed to so equip Moseley Associates remote control systems otherwise non-equipped with internal subcarrier modules. Specifically, the Model TCS-1 and other Telecontrol Systems are not packaged for internal subcarrier module mounting to conserve physical space and power supply capacity. The SCM-1 allows one subcarrier generator and one subcarrier demodulator (or any combination thereof) to be mounted adjacent to, or physically removed from the remote control panels. Such subcarrier equipment may be utilized on Moseley Associates Aural Studio-Transmitter Links, various video STL's aural shelves, or FM/TV aural broadcast transmitters.

Physical 19" rack mounting, AC primary power supply and Input/Output ports are provided by the SCM-1 "Main Frame" itself. Subcarrier generator and demodulator modules from existing Moseley Associates remote control equipment with internal subcarrier capability are utilized, in a "bolt-in" approach, to complete the SCM-1. Test points and adjustments are internal. For complete, front-panel metering and adjustment requirements, the Models SCG-8 Subcarrier Generator and SCD-8 Subcarrier Demodulator should be considered.

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# MOSELEY ASSOCIATES, INC.

A FLOW GENERAL COMPANY

# MODEL SCM-1 SUBCARRIER MAIN FRAME

## SPECIFICATIONS

- Purpose:** To provide FM subcarrier capability to Moseley Associates Remote Control System not packaged for internal provisions; specifically, the Model TCS-1 and other Telecontrol Systems.
- Main Frame:** Provides 19" rack mount and power supply to two Generator and/or Demodulator Modules.
- Power Supply:** 120/240 VAC, 50-60 Hz. DC supplied for Moseley Associates Subcarrier Modules.
- Dimensions:** 48.5 cm W x 4.5 cm H x 16.5 cm D (19" W) x (1.75" H) x (6.5" D) Depth with no connectors.
- Subcarrier Generator/  
Demodulator Modules:** FM; 26, 39, 41, 67, 110, 185 kHz standard. Specials on request.
- Input/Output:**
- A) Subcarrier (universal) 1.5V p-p across 2k $\Omega$  unbalanced, BNC chassis connector. Generator adjustable to 6V p-p output. Demodulator requires minimum .50V p-p input.
  - B) Modulator Data Input, 1.5V p-p across 10k $\Omega$  bridging, unbalanced, screw barrier terminals.
  - C) Demodulator Data Output, 1.5V p-p across 2k $\Omega$ , unbalanced, screw barrier terminals.
- B) and C) Nominal for full subcarrier deviation. Data Frequency Response 20-3000 Hz, nominal. Also capable of utility grade only voice service.