

FEATURES

- **Analog or digital modules**
- **Small, rugged, and economical**

The Model 45.50 Compact Remote Station (CRS) is a unique enclosure system that utilizes a simple, versatile method of mounting and electrically connecting the CRS seismic modules. The resulting package is small, lightweight, and provides exceptional analog or 12-bit or 16-bit digital performance at an economical price.

The CRS System consists of amplifiers, VCO's, I/O systems, multiplexers, digitizers, and radios. Electrical connection between the modules is provided through a ribbon cable harness within the enclosure.

The 45.50 provides internal mounting for up to eight CRS modules and two radio transmitters or receivers. The complete enclosure is small enough to fit inside a typical seismometer vault.

COMPACT REMOTE STATION

MODEL 45.50



COMPACT REMOTE STATION (CRS) MODEL 45.50 SPECIFICATIONS

EXTERNAL CONNECTORS

Seismometer Inputs	1-3, Crouse-Hinds feedthru bushing
Power	1, Crouse-Hinds feedthru bushing
Data Out	1, Crouse-Hinds feedthru bushing (optional)
RF Input/Output	1-2, Type N female (optional)

INTERNAL CONNECTORS

Type	Ribbon cable
Quantity	Connectors for up to 8 CRS modules
Optional	1-2, DB-9, Input/Output connector for transmitter and receiver

PHYSICAL CHARACTERISTICS

Capacity	Up to 8 CRS modules and 2 RF transmitters or receivers
Compact Mounts	3 each Model 45.10, furnished (one required for each module)
Height	35.6 cm (14 in.)
Width	30.5 cm (12 in.)
Depth	15.25 cm (6 in.)
Weight	10.8 kg (23.8 lb.)
Typical Weight, with 8 CRS modules and 1 rf transmitter	12.5 kg (27.5 lb.)

SAMPLE CONFIGURATIONS

THREE COMPONENT ANALOG STATION, RF TELEMETRY

45.50 CRS Enclosure, with the following:

- Three, 42.70 Seismic Amplifiers
- Two, 46.32 VCOs
- One, 46.32-1 VCO with Multiplexer
- One, PC-120 Pulse Calibrator
- One, IO.40-1 Input/Output Module
- Five, 45.10 Compact Mounts
- One, T-200 VHF/UHF Transmitter
- One, 45.20 Radio Mount
- One, RC-10 Internal Coax Cable

THREE COMPONENT 16-BIT DIGITAL STATION, RF TELEMETRY

45.40 CRS Enclosure, with the following:

- One, PF.70 Preamplifier/Filter
- One, 49.65 16-bit Digitizer
- One, IO.45-1 Input/Output Module
- One, DTS-200 VHF/UHF Transmitter
- One, 45.20 Radio Mount
- One, PC-120 Pulse Calibrator
- One, RC-10 Internal Coax Cable

THREE COMPONENT ANALOG STATION, TELEPHONE TELEMETRY

45.50 CRS Enclosure, with the following:

- Three, 42.70 Seismic Amplifiers
- Two, 46.32 VCOs
- One, 46.32-1 VCO with Multiplexer
- One, PC-120 Pulse Calibrator
- One, IO.40-1 Input/Output Module
- Five, 45.10 Compact Mounts
- One, Phone line adapter
- One, 45.25 Special Mount

RADIO REPEATER STATION

45.50 CRS Enclosure, with the following:

- One, R-150 VHF Receiver
- One, T-200 VHF Transmitter
- Two, 45.20 Radio Mounts
- Two, RC-10 Internal Coax Cables