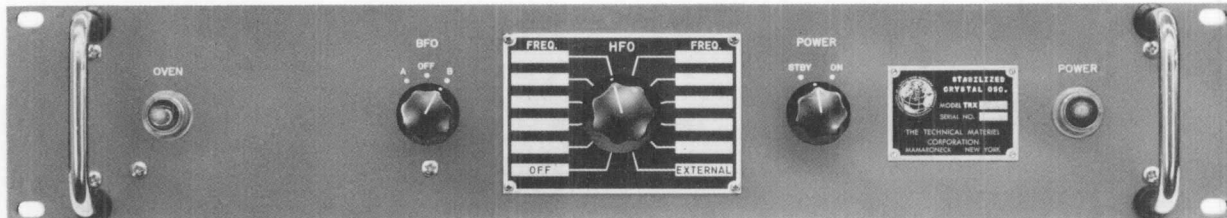




## TECHNICAL BULLETIN NUMBER 4006

Stabilized Crystal Oscillator  
TMC Model TRX-1



Model TRX-1, Stabilized Crystal Oscillator, is a self-contained unit providing 13 oven control crystals whose outputs can be used for:

1. Operation of receivers either singly or in diversity.
2. Translation frequencies for sideband exciters.
3. Master oscillator injection frequencies for transmitters.

Stability of better than 1 part in  $10^6$  per day is available over a wide range of crystal frequencies.

In diversity operation with two Model GPR-92 receivers, described in Bulletin 3006, selection of all injection frequencies for stabilized operation of the receiver is accomplished on the front of the TRX-1.

A series of ancillary devices for diversity receiver operation are explained in Bulletin 3007. Our engineering department will be happy to assist in the fulfillment of any requirements.

### Stabilized Crystal Oscillator

#### TECHNICAL SPECIFICATIONS

POWER:	Solid state; 115/230v, single phase, 50/60 cycles, approximately 100 watts, with oven on.
CRYSTALS:	HFO 10 - CR-27/U IFO 1 - CR-47/U BFO 2 - CR-47/U
OUTPUT:	50 ohms nominal.
OUTPUT LEVEL:	1 volt rms.
STABILITY:	1 part in $10^6$ per day, for ambient 0 to 50° C.
FRONT PANEL CONTROLS:	1. Power on. 2. HFO crystal selector, ten crystal position, 1 external oscillator. 3. BFO selector

REAR APRON FACILITIES:

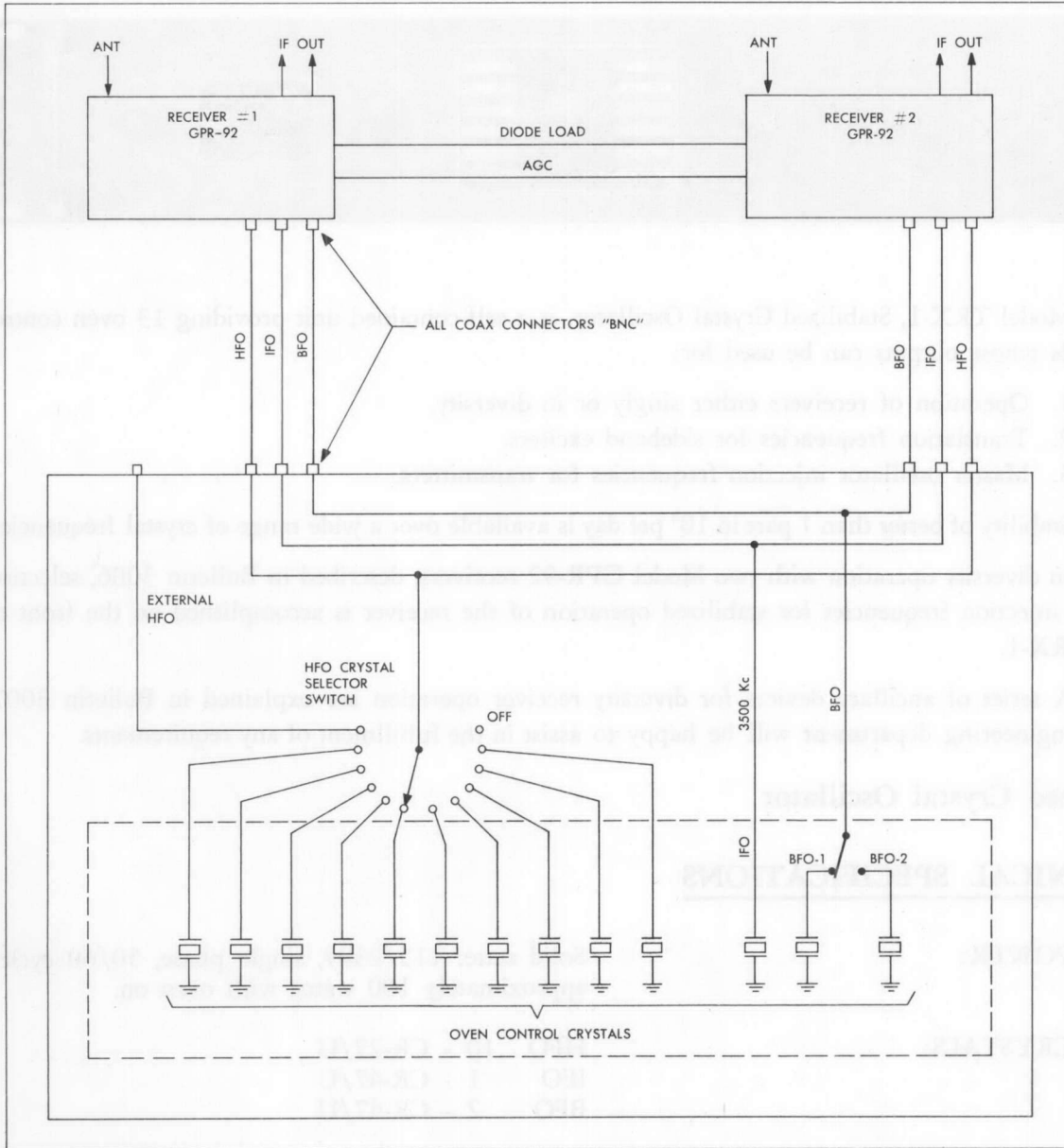
- 2 IFO BNC (connectors)
- 2 BFO BNC (connectors)
- 2 HFO BNC (connectors)
- 1 External oscillator input

SIZE:

3½" x 19" x 12½"

WEIGHT:

15 lbs.



FUNCTIONAL BLOCK DIAGRAM MODEL TRX-1

COPYRIGHT 1965  
THE TECHNICAL MATERIEL CORP.

R



# THE TECHNICAL MATERIEL CORPORATION

CABLE "TEPEI"

TWX 914-835-3782

MAMARONECK, N. Y. 10544

THE WORLD WIDE SYSTEM OF REMOTE CONTROLLED COMMUNICATIONS

and Subsidiaries ALEXANDRIA, VIRGINIA • GARLAND, TEXAS • SAN LUIS OBISPO, CALIFORNIA  
OXNARD, CALIFORNIA • POMPANO BEACH, FLORIDA • OTTAWA, CANADA • LUZERN, SWITZERLAND