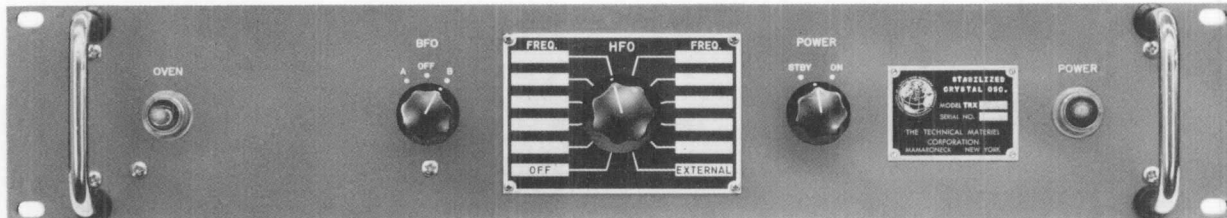




TECHNICAL BULLETIN NUMBER 4006

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:

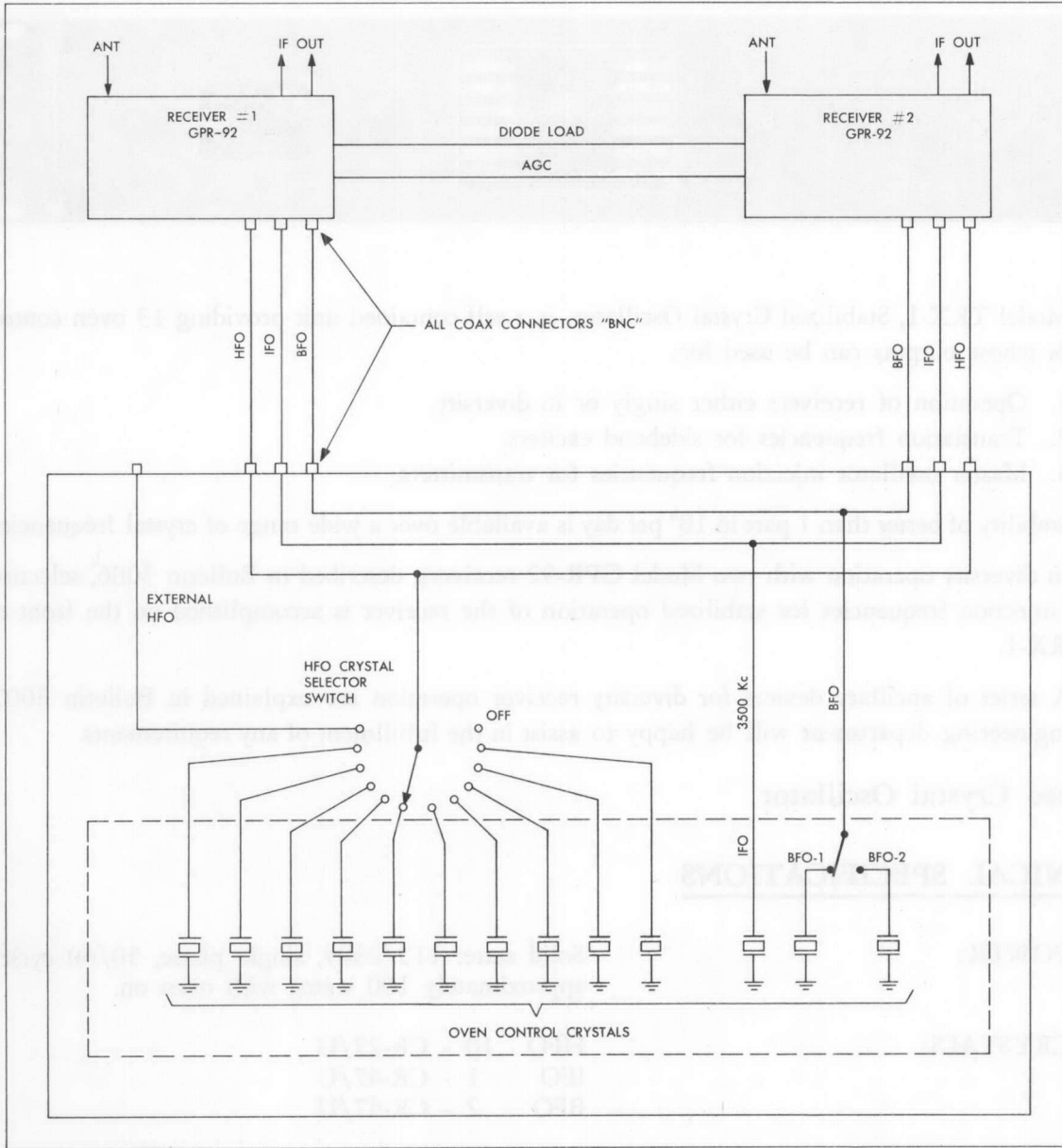
- 2 IFO BNC (connectors)
- 2 BFO BNC (connectors)
- 2 HFO BNC (connectors)
- 1 External oscillator input

SIZE:

3½" x 19" x 12½"

WEIGHT:

15 lbs.



FUNCTIONAL BLOCK DIAGRAM MODEL TRX-1

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