

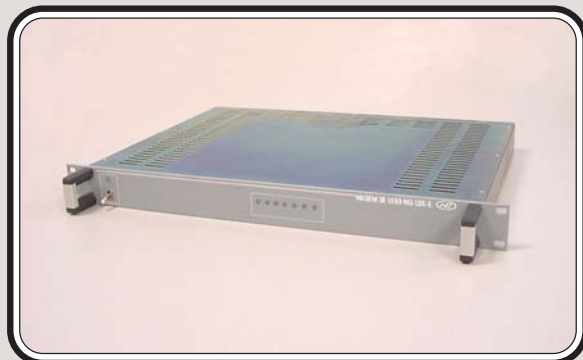


INVELCO S.A.
INVESTIGACIONES ELECTRONICAS Y COMUNICACIONES

G.M.D.S.S. / S.M.S.S.M.

DATA MODEM FOR USE IN DSC,
VHF TRANSMISSIONS.

CONTROL THROUGH THE
SELECTIVE CALL MODEL
LS-200-A.



DSC VHF MODEM MODEL MD-200-E

The MD-200-E módem is the latest development for the VHF DSC communications. It is to be used in G.M.D.S.S.

It can be installed in a Control Centre in remote Coastal Stations.

Its built is supported on modern programmed logic digital technics.

IMPORTANT SPECIFICATIONS:

- Control by means of the selective call equipment LS-200-A.
- Modem for use of DSC, VHF transmission/reception.
- Carrier central frequency: 1.700Hz. $\pm 0,5$ Hz.
- Modulation speed: 1200 Bauds.
- Modulation tone: 1.300Hz and 2.100Hz. $\pm 0,5$ Hz
- Symbol Error Rate (SER) > at 0.01 at 0.25 micro V PD

Fabricación
Española



CARACTERÍSTICAS TÉCNICAS DEL MODEM DSC VHF

MODELO MD-200-E

DSC MODEM:

- Modem for use of DSC, VHF transmission/reception for G.M.D.S.S.
- Control through LS-200-A.
- Transmission line input impedance 600 Ohms.
- Reception line output impedance 600 Ohms.
- Transmission line output level -30dBm to 0dBm adjustable.
- Reception line input level -30dBm to 0dBm adjustable.
- Type of modulation FSK.
- Modulation 1.700Hz. ± 400 Hz
- Error in frequency $\pm 0,5$ Hz.
- Automatic management of Pass to Transmission (PTT).
- Modulation tone 1.300Hz & 2.100Hz $\pm 0,5$ Hz
- Symbol Error rate (SRE) > a 0.01 a 0.25 micro V PD.
- ITU, CCIR, CEPT/ETS/IMO standards fulfilment.
- Local operation RS-232-C
- Remote operation Line modem / RS-232-C (incorporated)

GENERAL SPECIFICATIONS:

- Power supply 220V_{AC}
- Operation temperature -10°C. to +50°C.
- Relative humidity 95%
- Built:

Width Rack 19"

Height 1U (44mm.)

Depth 320mm.