

DTXPRO-400VH DIGITAL TRANSMITTER

DIGITAL MODULATOR
and TRANSMITTER
REMOTE CONTROL



INTRODUCTION

The DTXPRO-400VH transmitter is an integrated transmission system. Included in a 24 RU rack is a modulator, power amplifier, mask filter, and standard accessories. The DTXPRO-400VH is tested to FCC specifications.

The modulator used in this assembly is the DXDPRO-10VH. The DXDPRO-10VH is a VHF 8vsb BROADBAND MODULATOR with adaptive linear and nonlinear correction controllable via an Ethernet IP connection. Many additional features are included in this basic modulator such as TRANSMITTER REMOTE CONTROL and STATUS MONITORING, GPS RECEIVER, ASI or SMPTE 310M, and FAULT NOTIFICATION VIA EMAIL. This unit will operate with 110 VAC or any 48 VDC TELECOM back up system in case AC Mains fail. Back up DC supply is not supplied in this package.

The MFA1PAH provides power amplification to achieve the desired power output level to comply with FCC license requirements. LD MOS 50 VOLT DEVICE TECHNOLOGY is used throughout the HPA section for state-of-the-art performance. This unit is wired to operate off 220V AC.

An FCC Compliant STRINGENT MASK FILTER is supplied and is built into the rack. Additional components are included to sample forward and reflected power as well as samples for the adaptive linear and nonlinear corrector. The system transmitter is protected from antenna or filter faults by an ISOLATOR built into the HPA. Any faults in the filters or antenna will be detected by the onboard protection circuits. This transmitter includes a LOW PASS FILTER for additional harmonic suppression in the GPS Bands.

Pineapple Technology, Inc. warrants the DTXPRO LINE of transmitter products for 2 years from ship date. Extended warranty is available for an additional 5 years. Contact PTI sales for details.



PINEAPPLE TECHNOLOGY, INC.

www.ptibroadcast.com