

The 2015-75 Upconverter converts $70 \pm 18 \mathrm{MHz}$ to 250 to 750 MHz in 1 MHz steps with low group delay and flat frequency response. Synthesized local oscillators (LO) provide frequency selection. Multi-function push button switches select the RF frequency, gain, and other parameters. Front panel LEDs provide indication of DC power (green), PLL alarm (red), remote operation (yellow) or the TX carrier is muted (yellow). Variable attenuators for the IF input and output provide a gain range of -10 to +30 dB as adjusted by the front panel multi-function pushbutton switches. Remote operation allows selection of frequency and gain. Parameter selection and frequency and gain settings appear on the LCD display. Connectors are BNC (female) for IF and optional external 10 MHz reference input and output, and Type F (female) for the RF output. The unit is powered by a $100-240 \pm 10 \%$ VAC power supply, and housed in a $13 / 4$ " X 19 " X 16" rack mount chassis.


Front Panel

## EQUIPMENT SPECIFICATIONS*

 Input Characteristics

## Controls, Indicators

Frequency Selection
Gain Selection
Pwr; Alm; Remote; Mute
Remote

## Other

RF Connector Type F (female)
IF, 10 MHz Connectors
Alarm/Remote Connector
Size
Power
BNC (female)

Direct readout LCD; pushbutton switches or remote selection Direct readout LCD; pushbutton switches or remote selection Green LED; Red LED; Yellow LED; Yellow LED RS232C,9600 baud (RS422/485/Option-Q, Ethernet/Option -W8; -W18; -W28)

DB9 (female) - NO or NC contact closure on Alarm 19 inch, 1 RU standard chassis 1.75 "high X 16.0" deep $100-240 \pm 10 \%$ VAC, $47-63 \mathrm{~Hz}, 45$ watts max

## Available Options

E-External 10 MHz ref input \& output w/ RF insertion
H - High Stability ( $\pm 0.01 \mathrm{ppm}$ ) Int. Ref
Q - RS485 Remote Interface
Z5 Attenuator $0.5 \mathrm{~dB} \pm 0.5 \mathrm{~dB}$ steps
W8 - Ethernet; w/Web Browser (WB)
W18 - Ethernet; w/WB \& SNMP
W28 - Ethernet; w/TCP/IP, TeInet ${ }^{\circledR}$
W17 - IF Test/Monitor Ports
Connectors/Impedance
B-75 BNC (RF), $75 \Omega$ BNC (IF)
C - $50 \Omega \mathrm{BNC}$ (RF), $75 \Omega \mathrm{BNC}$ (IF)
D - $50 \Omega$ BNC (RF), $50 \Omega$ BNC (IF)
N - $50 \Omega$ N-type (RF), $75 \Omega$ BNC (IF)
M - $50 \Omega$ N-type (RF), $50 \Omega$ BNC (IF)
S-50 SMA (RF), $50 \Omega$ BNC (IF)

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[^0]:    ${ }^{*} 10^{\circ} \mathrm{C}$ to $40^{\circ} \mathrm{C}$; Specifications subject to change without notice

