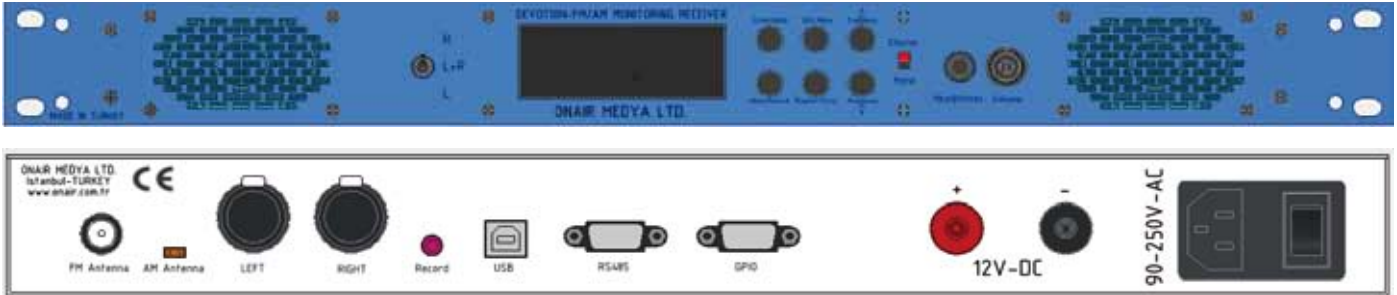




DEVOTION

PROFESSIONAL FM/AM MONITORING



GENERAL DESCRIPTION

DEVOTION Professional AM/FM Receiver is housed in a 1RU 19" rack mountable chassis. It displays ST, MO, PSN, RT, PTY, PI, TA, TP, RSSI, CT, AF, EON parameters of the receiving FM radio station on the LCD. DEVOTION can provide alarm outputs which is used in Radio Data Systems from GPIO. It has audio recorder which is used in warning alarm systems with RDS. It has 1.5W speakers to quickly monitor L/R/L&R audio presence without headphone usage. It has also an headphone jack input and volume adjustment potansiometer at the front panel.

Key Features of Receiver:

- FM/AM Band Support
- Digital FM/AM Tune/Seek with 20 preset memories
- 2x16 Line LCD
- 2x1,5 Watt Speaker
- Headphone Output (1/4" 6.5mm stereo jack)
- Stereo/Mono Selection
- Audio balance selection (3 poles toggle switch L-R/L&R)
- L&R Balanced Analog Audio Outputs (XLR connectors)
- USB communication port
- RS485 communication port
- GPIO outputs for switching(DB9 connector)
- Audio record input (3.5mm stereo jack)
- Audio volume control
- 90-250VAC or 12VDC supply voltage

Technical Parameters

FM Receiver Characteristics

Parameter	Min.	Typ.	Max.	Unit
Worldwide FM Band	64	-	108.0	MHz
Sensivity	-	2.2	3.5	uV EMF
RDS Sensivity	-	10	-	uV EMF
AM Suppression	40	50	-	dB
Adjacent Channel Selectivity	35	50	-	dB
Alternate Channel Selectivity	60	70	-	dB
Audio Stereo Seperation	35	42	-	dB
Audio Mono S/N	55	63	-	dB
Audio Stereo S/N	-	58	-	dB
Audio THD	-	0.1	0.5	%
Intermod Sensitivity	-	40	-	dBuV



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Technical Parameters

AM Receiver Characteristics

Parameter	Min.	Typ.	Max.	Unit
Worldwide AM Band	520	-	1710	kHz
Sensitivity	-	25	35	uV EMF
Audio S/N	-	60	-	dB
Audio THD	-	0.1	0.5	%

MECHANICAL & ELECTRICAL SPECIFICATIONS

Height	44 mm (19" chassis/1U Rack)
Depth	385 mm
Width	485 mm
Weight	approxç 4.5 kg
Power Supply	90-250V single phase AC (+10 / -15 %) 50-60Hz \pm 5 % DC
AC Power Consumption	6 VA
Battery Supply Voltage	12V (0.5A)
Display	Black-Orange back panel, LCD - 2 raw 16 characters

ENVIRONMENTAL

Operating temperature	15 to +80 °C
Relative humidity (non condensing)	90 % MA
Max. Operating altitude	2000m on sea levels