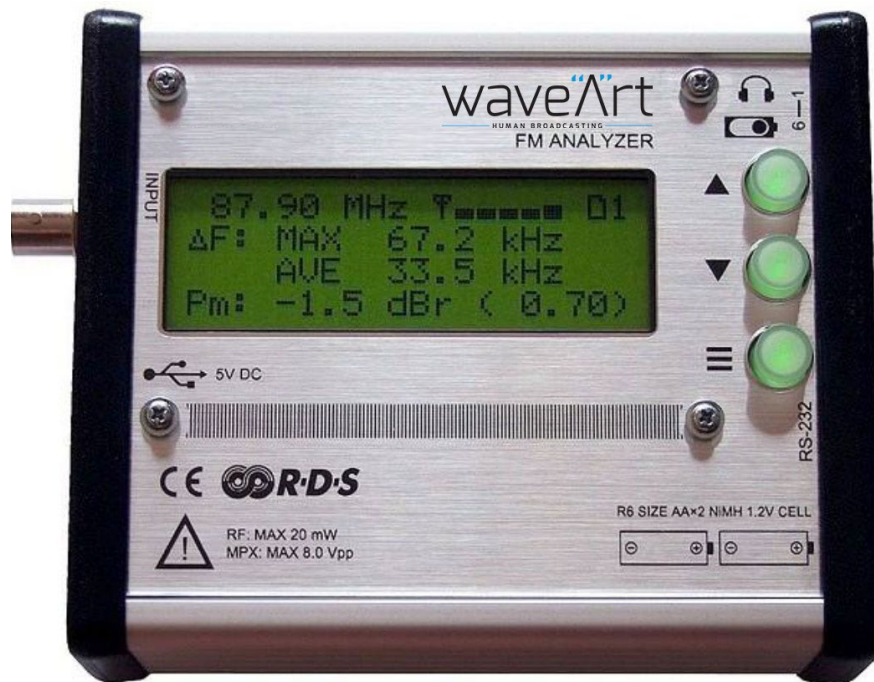


W275 - FM BROADCAST ANALYZER



Main features

- Stand-alone design, completely DSP based from IF to outputs
- Frequency range 76 to 108 MHz (64 to 108 MHz with reduced sensitivity)
- Accepts also baseband MPX/RDS
- Compliant with CEPT/ERC REC 54-01 E and ITU-R SM.1268
- Built-in LCD display, USB and RS-232 interface

Measurement, indications and outputs

- Frequency deviation incl. histogram
- Modulation power (MPX power)
- Baseband and RF carrier spectrum
- Pilot deviation, RDS deviation
- Pilot-to-RDS phase difference
- FM carrier frequency offset
- Reception quality and signal strength
- Stereo balance meter
- MPX peak to peak voltage
- Headphones audio output
- Alarm or general-purpose outputs
- RDS/RBDS decoder

RF MEASUREMENTS

Frequency deviation range	0 ÷ 121 kHz
Modulation power range	-12 ÷ +14 dBr
Modulation power error	± 0.2 dBr
Pilot deviation error	± 0.2 kHz
RDS deviation range	0.8 ÷ 17.9 kHz, note 4
RDS deviation error	± 5% ± 0.5 kHz
Pilot-to-RDS phase difference error	± 4 deg.
Baseband frequency response flatness	± 0.3 dB between 10Hz and 60 kHz
Stereo balance error	± 0.5 dB
Signal level (RSSI) range	Typ. 0 ÷ 90 dBμV; 20 ÷ 90 dBμV with battery power supply

MPX INPUT

Input impedance	2.3 kΩ
Recommended source impedance	600 Ω or less
Maximum MPX level	8.0 Vpp
Bandwidth	100 kHz
Vertical resolution	12 bits
Peak to peak voltage error	± 2% ± 0.010 Vpp
Pilot level range	0.010 – 2.250 Vpp
RDS level range	0.002 – 3.400 Vpp



All specifications contained in this document may be changed without prior notice