



New RDS encoder model has been introduced in 2017. Compared to existing model, the PIRA32, the devices are compatible except for the differences listed in this document.

Among other, following differences exist between the models:

	<b>PIRA32</b>	<b>P232</b>
		
Year of introduction	2005	2017
Parts placement	THT	SMT
PCB dimensions	101 x 74 mm	149 x 74.5 mm
Recommended power supply	8-16 V DC, min. 200 mA	12 V DC, min. 300 mA
Communication interface	RS-232	RS-232 (male), optically isolated
Communication ports total	1	2 (1 external, 1 on-board)
No-header mode support	Yes	No
Addressing feature for ASCII command control	Yes	No
Support for direct tagging and markup language command	No	Yes
LCD display support (HD44780)	On I <sup>2</sup> C bus using MCP23008 parallel port	Direct support
Output RDS level control	On-board trimmer	Software control
Pilot tone filter; pilot PLL	Analogue; DSP	DSP; DSP
EEPROM capacity	32 kB	64 kB
Output sampling frequency	361 kHz	592 kHz
Reference clock frequency	4.332 MHz	16.000 MHz