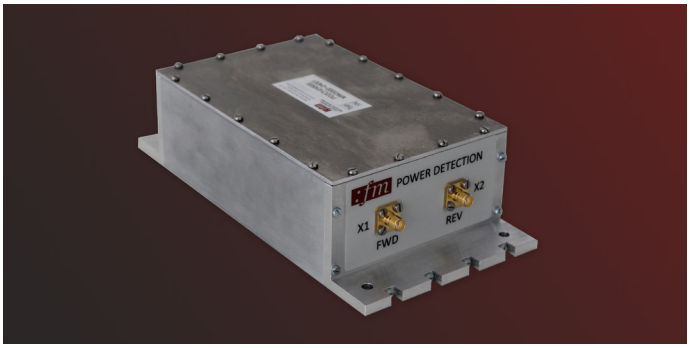
Power Detector FM-PD2CH2450S

General Information



The **Power Detector FM-PD2CH2450S** is designed for industrial drying and heating application as well as for researchers in laboratory application. The **Power Detector** allows numerical and graphical display of forward and reflected RF power to monitor the process.

A storage of the process data is with the display unit possible. An analog output exists for monitor the forward and reflected RF power in combination with a programmable logic controller unit. The frequency correction can be set manually or optionally with a frequency counter in a range from 2400 MHz to 2500 MHz.

The **Power Detector** can be used as stand-alone measurement unit or with a customer calibration in combination with a circulator/isolator, isolauncher or the **Directional Coupler FM-WR340/N(f)**.

Device Key Features

Frequency Range	2400MHz to 2500MHz
Measurement Unit Size (WxHxD)	204 x 100 x 53.8 mm
Display Case (WxHxD)	225 x 130 x 55 mm
Power Supply (Measurement and Display)	24 V_{DC}
Analog Output (Forward and backward power)	
Voltage mode	0 VDC – 10 V_{DC}
Current mode	4 mA – 20 mA
With optional frequency measurement	Information about the frequency Either as voltage signal or as current signal
RF Inputs	
Absolute maximum RF input power	20 dBm (100 mW)
Maximum calibrated RF input power	10 dBm (10 mW)
Minimum calibrated RF input power	-30 dBm (1 µW)

The maximum and minimum calibrated RF input power values define the general range for a stand-alone application. Otherwise, the FM Power Detection is characterized as **customer calibrated** and it exist a separated calibration note.

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