



# RD 8400

## LINER POWER SENSOR

The Alter® RD 8400 Linear Power Sensor is an additional accessory to the industrial microwave power system. It enables measurement of reflected microwave power, available with single (RD 8400A1) or dual channel (RD 8400A2) reading.

The RD 8400 detects reflected power of microwave generator in continuous power or the peak value of the mean power.

The RD 8400 receives the power signal through a coax cable provided with standard connectors and sends the output signal through a "D" type connector, without using an external diode detector.

### Features & Benefits

- Accessory for industrial microwave generator from 2 kW up to 10 kW, 2450 MHz
- Compact and shielded aluminum box
- Direct mount on isolator
- 0 – 10V output signal

Plasma &

Reactive Gas  
Solutions

WWW.MKSINST.COM

## Specifications and Ordering Information

<b>Input Voltage</b>	12 - 24 VDC
<b>Input Signal Range</b>	-30 to +10 dBm
<b>Input Signal Frequency</b>	2450 MHz, $\pm$ 50 MHz
<b>Output Signal</b>	0 - 10 VCC
<b>Outputs</b>	1 or 2, not correlated
<b>Different Attenuation Value for Each Channel</b>	Yes
<b>Error at Different Values of Frequency <math>\pm</math>50 MHz</b>	$\pm$ 1% max
<b>Dimensions</b>	173 x 130 x 45 mm
<b>Weight</b>	0.5 kg
<b>Protection</b>	IP 20
<b>Temperature</b>	5°C to 40°C
<b>Coax Cable</b>	600mm standard, other lengths available

## Ordering Information

Please contact your local MKS sales office for price and availability information.



### **MKS Instruments, Inc. Global Headquarters**

2 Tech Drive, Suite 201  
Andover, MA 01810  
Tel: 978.645.5500  
Tel: 800.227.8766 (in USA)  
Web: [www.mksinst.com](http://www.mksinst.com)

### **MKS Instruments Italy S.r.l. Plasma & Reactive Gas Solutions**

Via P. e M. Curie, 8  
42122 Reggio Emilia, Italy  
Tel: +39 0522 553 820