

Web RF Power Monitor

Type 3044



The COMM-connect 3044 RF Power Monitor can control up to 8 external RF Power Probes. The high dynamic range with external couplers and RF Power Probes cover from 1W to 1MW. The Power conversion algorithms handles multi carrier, multi mode, peak, average and RMS signals. The power readout is auto scaled and VSWR can be calculated between any probes. Also the measured and calculated results along with alarms can be shown in the local LCD. The instrument has SNMP support to allow network management. The instrument can be configured for VSWR and Power limits to give alarms. The alarms can be configured to operate relay drivers or isolated Optocouplers. The alarms can also be configured as SNMP traps sending relevant information to the network control center or sending an e-mail. All values are logged and time stamped to a USB stick every minute. The COMM-connect 3044 Web RF Power Monitor gives an unlimited number of application to monitor and control the last part of your RF network installation from transmitters to the antenna.

Frederikssund 3024 Demo

Monitor: 3024
 HEADS Sampling Combined Alerts Config IP-config

READY

Channel: 51,0
 Attn: 50,0

Serial#	Probe	Inst Attn	At	Value	Attenuation	Offset	Gain	Probe Unit	First sample	New
30150253	UHF 3015	-50,0 Channel	51,0	-53,0	457,0	5320	dBm	83,5		Del
30150254	UHF 3015	-50,0 Channel	51,0	-53,0	335,0	5245	dBm	36,4		Del
30160260	VHF 3016	-60,0 Frequency	94,0	-59,4	325,0	5145	dBm	84,3		Del
30160261	VHF 3016	-60,0 Frequency	94,0	-59,4	352,0	5224	dBm	22,4		Del

** Refresh your browser if updates are not shown **
 Mapversion: 3024115, Webversion: 2010-03-10 A, Serial no: 1-9999, Option: 1, Layout: 17, MPFS: 2010-03-10C

Applications / Features:

- Site control
- Fast access to site data
- Cost effective site management
- Full network control
- Web management tool
- Data logging
- Early warning on Combiner, Cable or Antenna failure
- SNMP

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Functions:

- Measure Forward and Reflected Power
- Measure correct RMS Power
- Calculate VSWR
- 40x2 character display
- Display Power, VSWR & Temperature
- WEB display:
 - Power
 - VSWR
 - Temperature
 - Alarms
- SNMP with traps
- 8 TTL Alarm LEDs
- 4 Opto Alarm LEDs
- Digital out
- Opto out
- RS-232
- Ethernet
- Web manager tool
- Analog out (Moving coil meter)

Specifications:

- Frequency range: 10MHz til 2500MHz
- VSWR range: 1:1 - 9:1
- Power range: 1 W to 10 MW
- Max. probes: 8
- Power meas. modes: RMS, Peak sync, Frame Average
- Ethernet: Fixed IP address or DHCP
- Protocol: TCP, UDP, HTTP, FTP
- Reporting: SNMP, E-mail
- Configuration: Web Manager tool
- RS232 i/f speed: 9600BpS
- Data logging: USB or SNMP
- Digital output type: Open collector
- Digital input type: TTL 5 V
- Enclosure: 19" 1U
- Power supply: 100 V to 240 V AC
- Temperature range: 0° C to 50° C

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Heads Sampling Combined Alerts Config IP-config

READY

This shows the state of the device either ready or progress, telling you if device ready for data input or working

This area contains the data for measurements equipment / probes

You may press this one or more times depending on how many probes you want to configure for this device 1-8

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This defines the measuring heads (probes) and their connection to the transmission line. To change a value in the table, click on it. Please:

RF Probes

- Specify the Probe serial number as the ID for the probe (written on the probe)
- Select the Probe model (written on the probe)
- Specify the installation attenuation (coupling plus any attenuators in front of the probe)

If you press this item the whole row will be deleted and you have to start from scratch for this line.



boxindex	boxtype	boxname	boxvalue	boxvaluetext
1	Head	30150169	904	
2	Head	30150170	369	
3	Sampling	RAI 1 FWD	700	10,0 kW
4	Sampling	RAI 1 REV	393	008 W
5	Combined	RAI 1 SWR	307	1.06 swr
6	Alert	RAI 1 FWD	0	OK
7	Alert	RAI 1 REV	-1	Alert
8	Alert	RAI 1 SWR	0	OK