



BAK ELECTRONICS, INC. *Biomedical Instrumentation*

41301 Silver Drive, Umatilla, FL 32784 / Office: 407-324-2907 / e-mail: bakinc@rcn.com

Specification and Design Work Sheet ***Model MMRS-1***

Name: _____ Position: _____

Address: _____

City: _____ State: _____ Zip: _____

Quotation only? Yes _____ No _____

Preparation:

Types(s) Signals Recorded:

Source Impedance of Signal: _____

Numbers of Channels Needed Simultaneously: _____

General Goal of Studies:

Known or Anticipated Technical Problems:

Present Equipment, if any:

Date Received: _____ Date Called: _____ By: _____ BAK Code No. _____

MMRS-1P Probe Stage

Number of single ended channels _____

Number of differential channels (2 inputs each) _____

Total F.E.T. inputs 25

Input Impedance 100 megohms, less than 20 pF

Gain Unity (approx.)

Noise Less than 10 uV p-p

Input Coupling D.C.

Output Impedance 1.5 kilohms

Power Requirements ±15 V, 10 mA, from RP-2

Size 0.93"w x 0.75"h x 13"d

Weight > 1oz.

Input Connector _____

MMRS-1S Card Amplifiers

Number of cards needed with specs below (use additional sheets for other designs) _____

Input Configuration (select one) AC DC Check if front panel control (**otherwise internal trim pot or jumpers**)
 (select one) single differential

Gains (list or range) _____ (_____)
 (select one) fixed continuous (_____)
 (select one) normal inverted

Filtering-basic Bandwidth _____ (_____)
 selectable HI cut-offs (6db/oct) _____ (_____)
 selectable LOW cut-offs (6db/oct) _____ (_____)

DC offset adjust (select one) yes no

Input connectors (select one) pin-jack banana BNC
 Output connectors (select one) pin-jack banana BNC

Input Impedance 1 megohm
 Output Impedance 100 ohms
 Power requirements ±15V, 10 mA typ., from RP-2
 Size 1.2"w panel, 5.25"h x 7.25"d
 Weight 0.5 lbs.

RP-2 Power SUDDIY

Supply Voltage $\pm 15V \pm 0.75V @ 300mA$
Line regulation 0.01 %
Load regulation 0.1 %
Short circuit protection Continuous
Input voltage 105-125 VAC
Frequency 50-440 Hz

Configuration

Overall modular rack dimensions 19"w x 5.25"h x 13"d
Front panel opening 14 position x 1 .2"w ea.
Check if front panel power switch and test points desired
(uses one front panel position) Yes No
Check if front panel selector switch for input desired
(uses one front panel position, 14 pin Winchester input connector) Yes No
Check if to be used with other MMRS cards not described on this page Yes No

Other Comments or Requirements

If downloading this form after you print it and you have fill it out you can scan it then you can e-mail to bakinc@rcn.com or the one listed below, or give us a call 407-324-2907.

Contact us at:
Bak Electronics, Inc.
41301 Silver Drive
Umatilla, FL 32784
Office: 407.324.2907
Fax: 407.308.0455
info@bakelectronicsinc.com
bakinc@rcn.com



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