

**CHANGE/ERRATA INFORMATION**

**ISSUE NO: 7**

**5/81**

This change/errata contains information necessary to ensure the accuracy of the following manual. Enter the corrections in the manual if either one of the following conditions exist:

1. The revision letter stamped on the indicated PCB is equal to or higher than that given with each change.
2. No revision letter is indicated at the beginning of the change/errata.

**MANUAL**

**Title: 8030A MAINTENANCE MANUAL**  
**Print Date: August 1976**  
**Rev. and Date: 2 - 6/77**

**C/E PAGE EFFECTIVITY**

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## ERRATA #1

On page 5-10, correct the description of item 2 to read:  
Guide, fuse (XF1).

## CHANGE #1 - 11024

On page 5-2:

ADD: F2|Fuse, 3 amp|460915|71400|GFA3|1|5

On page 7-2:

Add a fuse symbol between BT1, BT2, and BT3, and BT4, label it "F2,3A"

## CHANGE #2 - 11116

Rev.- R, 8030A Circuit Board (8030A-4001)

On page 5-5:

Change the TOT QTY of C26, FROM: 2 TO: 3

ADD: C39|Cap, TA, 2.2 uF  $\pm 20\%$ , 20V|161927|56289|196D2225X0020HA1|1

On page 7-1:

Add a 2.2 uF cap (C39) across the 6.8V zener diode (VR2).

Show positive side of cap connected to junction of R5-VR2, and negative side to common.

## ERRATA #2

On page 1-2, Table 1-6, under DC Voltage:

FROM: Maximum Input.....1100V dc or peak ac (<10 sec. on 200 mV, 2V ranges)

TO: Maximum Input.....750V rms or 1100V peak, not to exceed  $10^7$  volt-Hz product (L/O sec. on 200 mV, 2V ranges).

## CHANGE #3 - 11832

Rev.- T, 8030A Circuit Board (8030A-4001)

On page 5-4:

FROM: C13|Cap, Mica, 750 pF  $\pm 1\%$ , 500V|284158|72136|DM19D751F|1

TO: C13|Cap, Mica, 820 pF  $\pm 5\%$ , 500V|148395|72136|DM19FD821J|REF

Change TOT QTY of C6, FROM: 1 TO: 2

On page 7-1:

Change value of C13, FROM: 750 pF, TO: 820 pF

## CHANGE #4 - 11850

Rev.- U, 8030A Circuit Board (8030A-4001)

On page 5-6:

FROM: S11|Switch, slide, dpdt|452862|89536|452862|1|1

TO: S11|Switch, slide, dpdt|423129|89536|423129|1|1

## CHANGE #5 - 11861

Rev.- V, 8030A Circuit Board (8030A-4001)

On page 5-9:

FROM: DS1|Display LED (Wht. Pkg)|453340|29083|MAN3630|1|1

TO: DS1|Display LED (Wht. Pkg)|495457|285457|QDSP3507|1|1

FROM: DS2-DS4|Display LED (Wht. Pkg.)|453332|29083|MAN3620|3|1

TO: DS2|DS4|Display LED (Wht. Pkg.)|495440|28480|QDSP3515|3|1

CHANGE #6 - 12337

Rev.- W, 8030A Circuit Board (8030A-4001)

On page 5-6:

FROM: Q7|Xstr, Si, PNP|418707|04713|MPS6562|1|1

TO: Q7|Xstr, Si, PNP|523647|04713|MPS6651|1|1

CHANGE #7 - 12624

Rev.- X, 8030A Circuit Board (8030A-4001)

Documentation change, does not affect manual.

ERRATA #3

On page 5-6:

When ordering Fluke Part No: 288761, be aware that it may be installed one of two ways, depending upon the manufacturer;

1. The clocking for the NPS404 is:



2. The clocking for the KA6808 is:



## ERRATA #4

On page 2-3:

Add the following note under para. 2-17:

## \*\*NOTE\*\*

The 8030A transient overload protection circuit is intended to protect against short duration high energy pulses. The components used are limited to approximately five (5) 6 kV 10 microsecond pulses per second or about 0.6 watts average. Fast rep rate pulses as from a TV set can damage the protection components; RV1 thru RV4, R1 and R2. Use only Fluke replacement parts to maintain product safety.

## CHANGE #8 - 13211

Rev.-X, 8030A Circuit Board (8030A-4001)

Documentation change, does not affect manual.

## CHANGE #9 - 13276

Rev.-X, 8030A Circuit Board (8030A-4001)

On page 5-10:

CHANGE: 4|Connector, flex 0.35 inch|433631|89536|433631|1

TO: 4|Connector, no-mex flex|525022|89536|525022|1

CHANGE: 5|Connector, flex 1.35 inch|433649|89536|433649|1

TO: 5|Connector, no-mex flex|525030|89536|525030|1

## ERRATA #5

On page 2-4, para. 2-21 step g:

Change line 6, FROM: as much as 60 millivolts (Battery operation) or 130 mV, TO: as much as 95 millivolts (Battery operation) or 195 mV.

## CHANGE #10 - 13666

Rev.-Z, 8030A Circuit Board (8030A-4001)

On page 5-9:

CHANGE: S11|Switch, slide, dpdt|452862|89536|452862|1|1

TO: S11|Switch, slide, dpdt|572016|89536|572016|1|1

## ERRATA #6

On page 7-1:

Change schematic drawing of Q2 as shown below:

