



COMPONENT NEWS

EVALUATION ENGINEERING

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COMPILED BY PRODUCT RELIABILITY INFORMATION NO. 105 DATE 5-20-69

ELAPSED TIME INDICATOR, *TEK* PN 149-0030-00

We now have an Elapsed Time Indicator available for use in new instruments (both main frames and plug-in units). The *TEK* part number is 149-0030-00.

As a guide to the use of this Elapsed Time Indicator, the following items are listed.

Case Material: ABS, white with black markings. Window is clear acrylic.

Scale : 0-5000, 6 major, 20 minor marks.

Operating Current :

1,000 Hrs	6.5 μ A DC
2,000 Hrs	3.2 μ A DC
5,000 Hrs	1.28 μ A DC
10,000 Hrs	0.65 μ A DC

Temperature Range :

Operating	-38°C to +70°C
Storage	-38°C to +70°C

NOTE: Freezing of the mercury at -39.8°C causes 5% shrinkage of the mercury thus dispersing the electrolyte throughout the tube.

Shock : 100 G's

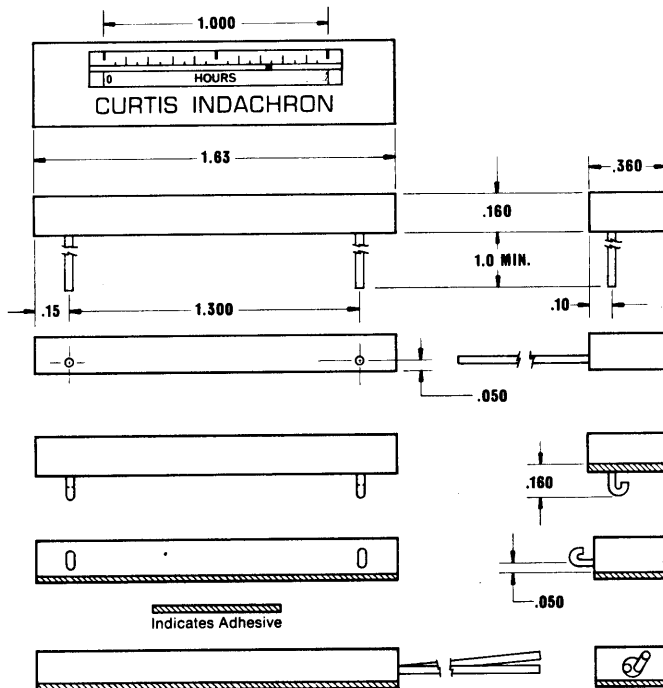


Figure 1

This unit can stand flow soldering, however, when mounting on an EC Board, if the unit covers runs, spacers should be used to prevent moisture from being trapped under the body. Mounting dimensions are shown in Figure 1.

For further information contact Clint Berry, Ext 416 or Gary Sargeant, Ext 415.

-Clint Berry/ Gary Sargeant

INTEGRATED CIRCUITS

The following purchased IC's represent additions to the list published in Component News, Issue Number 94 (12-3-68).

ECL (Emitter-coupled Logic)

MOTOROLA "MECL II"

156-0054	MC1006L Dual 4-input gate	14-lead dual in-line
156-0056	MC1023L Dual 4-input clock driver	"

RTL (Resistor Transistor Logic)

MOTOROLA "800P" series

156-0059	MC891P Dual J-K flip-flop	14-lead dual in-line
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TTL (Transistor Transistor Logic)

TEXAS INSTRUMENTS "74N" series

156-0057	SN7401N Quad 2-input positive NAND gate (with open-collector output)	14-lead dual in-line
156-0058	SN7404N Hex Inverter	"

MOS IC's

156-0055	<i>T.I.</i>	TMS-7B-3001-LA	Dual 32-bit static shift register	TO-100
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Linear IC's

156-0052	<i>MOTOROLA</i>	MC1461R	Voltage Regulator	9-lead power package
156-0053	<i>FAIRCHILD</i>	μ A723C	Voltage Regulator	TO-100

For information on the above IC's call Don Roberts at EXT 6520 (MECL or Linear IC's) or Bill Markwart at EXT 7262 (RTL, TTL, or MOS).

-Bill Markwart