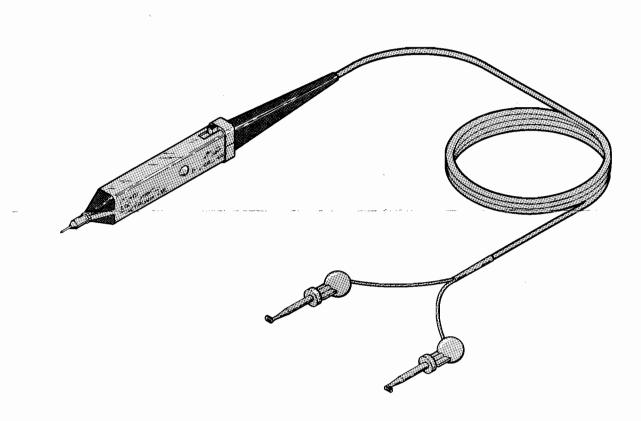




CSG PUBLICATIONS/RESEARCH

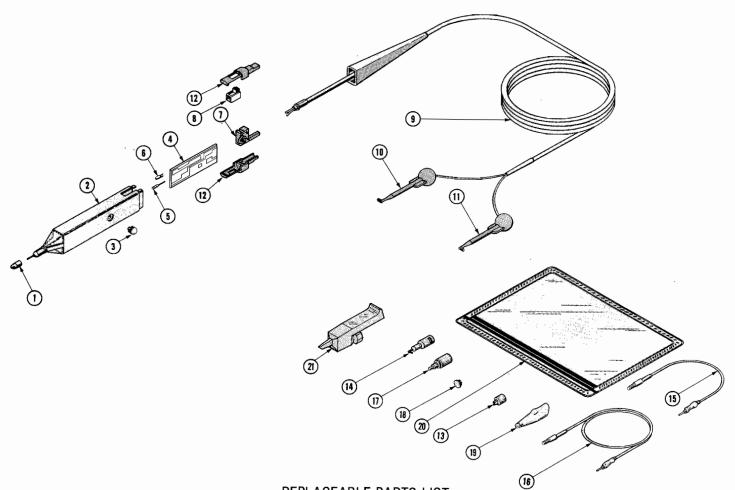
010-6401-00

P6401 LOGIC PROBE



The P6401 is an active probe which provides a visual indication of the state of logic circuits in the TTL and DTL systems.

STROBE and STROBE inputs permit sensing of a logic state in coincidence with a gate pulse or other desired time interval pulse. +5 volt power for the P6401 is supplied from the unit under test. Connections for power are accomplished by small retractable hook tips, which may be clipped onto a wire lead or slipped over a 0.025 inch (0.0635 cm) wire-wrap pin.



REPLACEABLE PARTS LIST

Fig. &

			Dscont	uty	1	2345	Name & Description	Code	Mfr Part Number
C	010-6401-01			1	P	ROBE,LOGIC	:P6401,60.0 L W/ACCESSORIES	80009	010-6401-01
c	010-6401-00	· .		1		PROBE, LOGI	C:P6401,60.0 L PROBE ONLY	80009	010-6401-00
-1 -		,±		1		TIP,TEST H	ROD:IC TEST		
-2 2	204-0524-01			1		BODY, TIP A	ASSY:W/SENSES	80009	204-0524-01
-3 3	348-0023-00	1		1		PLUG, HOLE	WHITE PLASTIC	02768	OBD
-4 1	119-0630-00	•		1		SUBSTRATE	ASSY:SIGNAL INPUT	80009	119-0630-00
-5 2	214-0592-01			1		. PLUG,TI	?:	80009	214-0592-01
-6]	150-0048-02			2		. LAMP, INC	CAND: 5V, 60mA	71744	CM683
-7 3	352-0320-00			1		. HOLDER,C	CONN:	80009	352-0320-00
-8 2	260-0960-01			1		SWITCH,SLI	DE:0.5A,120VDC,BLACK BUTTON	80009	260-0960-01
-9 1	175-1380-00			l		CA ASSY,SE	,ELEC:2,23 AWG,49.25 L	80009	175-1380-00
-10 0	003-0624-00			1		. TIP,HOOH	RED EZ Q BALL W/MINI HOOK	08505	OBD
-11 0	003-0625-00			1		. TIP,HOOM	BLACK EZ Q BALL W/MINI HOOK	08505	OBD
-12 2	200-1380-00			2		. CAP HALF	,STRAIN:	80009	200-1380-00

-13	¹	1	TIP, TEST PROD: IC TEST		
-14	206-0114-00	1	TIP, TEST PROBE:	80009	206-0114-00
-15	175-0958-01	1	LEAD, ELECTRICAL: STROBE, 6 INCHES L	80009	175-0958-01
-16	175-0958-00	l	LEAD, ELECTRICAL: STROBE, 12 INCHES L	80009	175-0958-00

1 Available in packs of 10, PN 015-0201-01 or 100 PN 015-0201-02 only.

P6401 PROBE

Fig. & Index No.	Tektronix Part No.	Serial/I Eff	Model No. Dscont	Qty	12345	Name & D	Description	Mfr Code	Mfr Part Number
-17	206-0137-0	1		1	TIP, PROBE :			80009	206-0137-01
-18	348-0023-0	-		1	PLUG,HOLE:WH	ITE PLASTIC		02768	OBD
-19	344-0046-0	0		2	CLIP,ELECTRI	CAL:ALLIGATOR TY	YPE,W/COVER	80009	344-0046-00
-20	016-0537-0	-		1	POUCH, ACCESS	ORY:6 X 9 INCH I	LO/ZIPPER	80009	016-0537-00
	062-1693-0	-		1	DATA SHEET : P	6401		80009	062-1693-00
	070-1490-0	0		1	CARD, INSTR:0	PERATORS, P6401		80009	070-1490-00
					OP	TIONAL ACCESSORI	ŒS		
-21	013-0106-00	0		1	TIP, PROBE:RE	TRACTABLE HOOK		80009	013-0106-00

CROSS INDEX-MFR. CODE NUMBER TO MANUFACTURER

Mfr. Code	Manufacturer	Address	City, State, Zip
02768 08505 71744 80009	ILLINOIS TOOL WORKS, INC., FASTEX DIV E-Z HOOK, DIV. OF TEKTEST, INC. CHICAGO MINIATURE LAMP WORKS TEKTRONIX, INC.	. 195 ALGONQUIN ROAD P O BOX 450, 114 E ST. JO 4433 RAVENSWOOD AVE. P. O. BOX 500	DES PLAINES, IL 60016 OSEPH ARCADIA, CA 91006 CHICAGO, IL 60640 BEAVERTON, OR 97077
			(RED) + 5 GROUND (BLACK)
	¥ THERMAL FUSE		

WARRANTY

All TEKTRONIX instruments are warranted against defective materials and workmanship for one year. Any questions with respect to the warranty should be taken up with your TEKTRONIX Field Engineer or representative.

All requests for repairs and replacement parts should be directed to the TEKTRONIX Field Office or representative in your area. This will assure you the fastest possible service. Please include the instrument Type Number or Part Number and Serial Number with all requests for parts or service.

Specifications and price change privileges reserved.

Copyright © 1974 by Tektronix, Inc., Beaverton, Oregon. Printed in the United States of America. All rights reserved. Contents of this publication may not be reproduced in any form without permission of Tektronix, Inc.

U.S.A. and foreign TEKTRONIX products covered by U.S. and foreign patents and/or patents pending.

TEKTRONIX is a registered trademark of Tektronix, Inc.

SPECIFICATIONS

"D" Low Threshold: Green large excloquishes at +0.7 V within 0.1 V.

"1" High Threshold: Red Jame Sahts at +2,15 V within 0.15 V.

Indetermineta Regiper: Neither temp lights between 0.7 V within 0.1 V and #2.15 V within 0.15 V.

Minimum Recognizable Palse Width: 10 ns.

Biok Rete: Lamp blick note follows input signal repetition rate from to so approximately 5 Hz and continues at a 5 Hz maximum rate with input signal repetition name above approximately 5 Hz.

Impediance: Approximately 7.5 k() percileted by approximately 6 ph.

Meaware Constit Resistance for Open Circuit Industrian: 10 kl

Maximum Safa Inpart: \$150 V Eds or revel. Fuse opens inpart within 10 s with 150 V at moths 100.

Overvoltage Indication: Both langes bit with +6 V or more and -2 V or lass within 0.5 V at probe tto.

Struke De and Off Leeds: Probe pand "ce" with STROBE input level of at least 11.3 V within 0.2 V and "off" with less than 1.3 V within 0.2 V. Probe gased "ce" with STROBE input level of last than 11.3 V within 0.2 V and "off" with at least 1.4 V within 0.2 V.

Minimum Recoordinable Stroke Palse Width: 20 rs.

Maximum Safe Strabe Japan: 1 30 V 64: or rms).

Strobe Input Impedance: 5.5 kill within 20%.

INFUT FOMER

Operating Range: 14.5 V do to 15.5 V do

Maximum Operating Correct: 200 mA with probe in STORE mode, both large III, and input power at HS.5 V dc.

Maximum fiefe bapate #35.9 de.

THERMAL FUSE LINK RESETTING

1. Pry pet plastic plug with small screwdriver.

Grasp body-tip assertibly and postly pull on cable nipple to remove administration from body-tip essentibly.

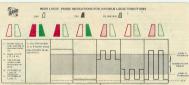
3. Use a tool to which solder will not adhere to press down on sprangue and of thermal fuer link watth it contacts the substitute. Use a loss power 15 Wi policing icon with a row wattact by to for 2 is a second to resolder aprangue end of fuer link. DO NOT USE ADDI-TOMAS, SOLDER Is general low temperature solder is used.

 Make save sig is not bevr. Side substant into probe body-to assently. MAKE SURE THE SUBSTRATE SLIDES THROUGH THE GROOVES IN THE BODY-TIP ASSENDLY. The centrals substants may create it forward to advance of operative disease.

5. Press plastie plug in place







STORE Mode

With slide portsh in STOTH (lawsord) pacities, picture will inclusive and bard a logic 0 gener laws) endowing 5 Teel laws) here present at the source sp. Accessive, if OHV, can indicate the allowed present at the opporter laws level and light the other indicators and both will rememt or provide a reservice accessive packed back from the former or compared in the source accessive packed back from the former or compared.

070 MOD.00 Conversator # 1974 by Telecronix, Inc., Beaverton, Dreport

STROBE and STROBE Moder

A programming $\geq 1.3 \times 0.01$ parts an electronic IT_ result on a suggestion of the second se