# Logic Testers — continued

## **Logic Dart Advanced Logic Probe**





The new HP Logic Dart is an advanced logic probe in a hand held instrument, than can monitor logic activity, measure dc voltages, check frequencies and timing diagrams to 10ns resolution.

- Audio and visual feedback
- Ability to store 10 waveforms for comparison
- Preset levels for TTI, CMOS and ECL
- 3 channel timing analyser, 100 Ma/s sample rate 2048 point signal acquisition at 100MSa/s
- Display cursors and readouts for instant answers
- Real time clock, user selected format
- Selectable languages, English, German, French, Spanish and Italian

H = 38, W = 89, D = 198

# Ranges

Logic families Logic monitor Timing analyser Triagerina dc voltages Frequency Resistance Continuity threshold Weight

TTL, 5V, CMOS, 3.3 CMOS, ECL, USER 1, USER 2 100MS a/s samples rate >15ns glitch detect 3 channels, 100 M sa.s sample rate Edge, pattern, edge/pattern combination ±35V (3½ digits), ±(0.5% of reading +2 counts) 1Hz to 33 MHz  $0.01 k\Omega$  to  $200 K\Omega$  $80\Omega$  minimum,  $140\Omega$  typical 3 1.5V AA alkaline or lithium 0.4kg

				1055
		Price Each		
	Order Code	1+	2+	5+
Logic dart	574-168			
Assembled probe with brower	574-170			
Replacement probe	574-181			
Probe accessory kit	574-193			

# TTL and CMOS Probes





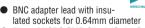
- TTL or CMOS compatibility
- Logic probes enable point by point check of logic states
- Logic 1 and 0 are indicated by contrasting red and green LED
- Logic probe threshold automatically set to 70% and 30% of the probe supply volt-
- Logic clips suitable for checking all 14 and 16 pin digital IC's
- Indicates the logic state of each pin
- Lamp off = logic 0, lamp on = logic 1 or open circuit
- TTL logic clip suitable for all TTL and DTL and compatibility 5V logic
- CMOS suitable for checking all CMOS (5 to 15V), or TTL (5V)

	Price Each			
Probes	Order Code	1+	5+	10+
TTL	103-012			
CMOS	103-013			
Clips				
TTĹ	103-010			
TTL/CMOS	103-011			J

## Test Probes

# **BNC Adapter Lead BNC-AL 0.64**





- Fits to MICRO SMD Clip 1 (Order Code 857-049)
- Red inner lead, black shielding
- Cable type RG58 A/U  $50\Omega$
- For use with oscilloscopes, PC cards

Rated Voltage: 60Vdc Temperature Range: -15°C to +70°C Length: 1200mm

Order Code BNC-AL 0.64 401-7468

**Price Each** 

5+

### **Tweezer Set** 76-001



SMD component testing tweezers designed to grip small components during testing



- Isolated contact tips connect to 4mm banana plugs
- 1m cable length
- Durable gold plated contact tips
- Rated 400V RMS 1A

				T568/
Mftrs. List No. <b>Order</b> 76-001 <b>356-</b>	Code 1+ 2402	Price Each 5+	10+	

#### Male BNC Adaptor



A low cost BNC male connector to 4mm bindina posts.



TENMA

- Black thermoplastic body
- Rated 500V RMS 3A

					T569A
	Price Each				
Mftrs. List No.	Order Code	1+	5+	10+	
76-005	356-2414				

# Insulated BNC to Sheathed 4mm Sockets Adaptor



A low cost insulated BNC connector to 4mm sockets.



Insulated male BNC, body and sockets Meets IEC-1010 500V CAT I and 150V CAT III. 3A

					T570A
			Price Each		
Mftrs. List No.	Order Code	1+	5+	10+	
76-083	356-2463				

# **Surface Mount Test Lead Set**





- Extra sharp tips for small surface mount components
- Highly flexible silicone leads
- Set includes 1 red, 1 black test probe body, 1 red, 1 black 60" 4mm sheathed, straight to right-angle plugs
- 1000V CAT III 20A probe body



T571A

**Price Each** Mftrs. List No. Order Code 10+ 1+ 5+ 76-090 356-2475

T466