

# Test sets



## A range of professional tools

Specially designed for use by installers, security personnel, repair technicians and other telecommunications personnel for installation and maintenance of telephone and security services, the Series 4 and Series 6 are professional tools that will meet the toughest demands of the field use.

## Design and construction quality

- Impact resistant 'thermoplastic' shells secured by 5 screws to withstand most severe treatments.
- Rubber gasket for rain and humidity protection.
- Ergonomic shape allowing one hand operation .
- Modular line cord for an easier field change terminated by bananas and clips.
- Strain relief design to eliminate separation of the cordset from the test set and to avoid defective contacts.
- Cover protection of the modular connection to prevent from dust and corrosion.
- Spring loaded large belt clip.
- High or very impedance monitor mode.
- Electronic ringer.
- Microphone mute key for noisy locations.
- Led polarity indication.



# Test sets



## Series 4

- **The standard test set of the range.**
- The Series 4 is used by many operators and Telcos worldwide. Famous for its reliability and ruggedness, its features answer the technician's needs and it has often become their preferred tool.
- A headset provides hands-free operation ability.

## Series 630

- **This model is the top of our line.** Based on the Series 4, it adds a line signal detector for greater security.
- The Series 630 was designed for operators and installers who care about the satisfaction of their customers. Providing high quality service requires no interruption of data signal and no confusion between analog and digital lines when monitored by the technicians.
- To accomplish this, the Series 630 is equipped with a 'SIGNALSHIELD™' feature which detects high frequencies and alerts the technician in the Monitor mode.
- In case high frequencies (digital/inaudible spectrum) are detected, a red led lights up and a timed (3sec.) warning tone is emitted to alert the user of a data signal presence on the line.
- The alarm is immediately reinitialized each time a data signal is detected on the line.
- The amplified speaker works in the Monitor mode and has a 2 level volume adjustment. It features a very high impedance monitor mode (above 120 kΩ) to prevent accidental interruption of data flow.
- DSL filters allow technicians to test analog signals on DSL lines without disrupting or damaging data service.
- The Series 630 also features a speakerphone for hands-free operation with a selection of 2 audio levels. 3 one-touch and 10 two-touch memories provide comfort and rapid access to automatic test systems or for dialing frequently called numbers.

## Series 6 BL

**Local battery handset with tone generator and tone tracker.** Intended for communication and testing over dead (non-powered) wires, this test set has two main applications:

- **Local battery operation.** Due to its 4 AA batteries, the unit is able to generate ringing current and to provide a talk mode communication link with a second Series 6BL connected at the other end. It is perfectly suited for providing stand by or security communication (field installations, fire stations, hospitals, job sites, camping...). It is also a good solution when radio communication is no longer working or forbidden for security reasons.
- **Cable tracing.** Each unit includes a tone generator. The signal is applied to the line with a third wire and it can be detected and identified at the other end through the adjustable loudspeaker of another Series 6BL connected at the other end of the cable. Detection is also possible by any other test set operating in 'Monitor mode'.
- The combination of both operations, local battery communication and cable tracing plus long battery life and rugged construction make the Series 6BL an ideal tool for splicer's, installers and technicians working in teams. The Series 6BL comes with a carrying pouch and a headset to allow hands-free use.



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## Tools and accessories:



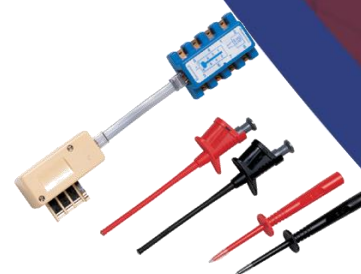
**Cordura carrying pouch**  
Available for Series 4 and Series 6.



**Headset with coiled connection cord**  
On Series 4 only, it enables 'hands-free' operations.



**Cord with piercing clip**  
Compatible with Series 4 and Series 6 test sets, this modular cord is terminated by 2 clips loaded with a heavy penetrator and a bed of nails allowing fast test without the need of stripping the cables.



**Modular adapter**  
It provides easy access to an 8 wire modular of French jack. Each conductor is clearly marked with a number and displayed on both sides of the adaptor. 2 Eight-position, 8 wires receptacles allow in-line testing. Comes with 2 pin grabber clips and 2 test probes.

Comparison chart	SERIES 4	SERIES 630	SERIES 6 BL
Tone and pulse dialing	●	●	
Built in electronic ringer	●	●	●
Last number redial	(23 digits)	(32 digits)	
Line polarity indicator	●		
Continuous polarity indicator		●	
High impedance monitor mode	> 6 kΩ		
Very high impedance monitor mode		> 120 kΩ	
Hook flash	●	●	
Mute key	●	●	
Modular line cord	●	●	●
Spring loaded belt clip	●	●	●
Exclusive non slip pad for shoulder rest	●	●	●
Overvoltage protection	●	●	
Amplified speaker in monitor mode (2 levels volume adjustment)		●	
Timed automatic speaker shut-off		(5mn)	
Hands-free speakerphone in talk mode		●	
4 AA field replaceable batteries (extra long autonomy)	●	●	●
Easy and protected access to cord and battery field replacement	●	●	●
One touch memory		3 (16 digits)	
Two touch memory		10 (16 digits)	
'SIGNASHIELD™' data/high frequencies detection in monitor mode (led + timed warning tone)		● (3 sec)	
DSL filters	●	●	
Tone generator			●
Tone tracker			●
<b>PULSE DIALING</b>			
Pulse rate	10 pps ±1%	10 pps ±1%	
Mark break ratio (optional)	66/33(60/40)	66/33(60/40)	
Interdigit interval	800 ms	800 ms	
Leakage during break	200 micro A	200 micro A	
<b>TONE DIALING</b>			
Tone frequency error	< 1,5%	< 1,5%	
Tone level - low group	-8dBm ±2dB	-8dBm ±2dB	
Tone level - high group	-6dBm ±2dB	-6dBm ±2dB	
High / low twist	-2dBm ±1dB	-2dBm ±1dB	



**HENRI DEPAEPE S.A.S.**

75/77 rue du Pré Brochet | 95110 SANNOIS - France  
Tél.: +33 (0) 1 30 25 81 60 | Fax: +33 (0) 1 39 98 61 24

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