



# PROFIBUS DP CABLE TESTER (HP-25)

HI - PORT  
CONTROLS



Compact Device



Colour Display



Tone Detector



This compact handheld device checks for the most frequently found cable connection faults seen with PROFIBUS Decentralised Peripherals (DP) wiring between pairs of 9-pin D-sub PROFIBUS plugs.

The software checks for open lines, short circuits and crossed connections, reporting any such failures on a red background, with a sound signal and text details shown on the front panel colour display.

Correct connection test results are reported on a green screen, with a different sound signal and show the number of activated terminator switches detected on the tested cable. If more than two terminators are detected, this is reported as a fault.

The HP-25 Cable Tester detects:

- Open lines.
- Short circuits between green and red A and B wires.
- Short circuits between A or B and the shield / screen.
- Crossed connections of the A and B wires.

# An Intelligent and Simplistic Network Cable Tester

In addition to connection testing, this unit allows test tone output onto the PROFIBUS A-line, to enable clear separation of IN and OUT cables at a remote location before connection to plug or another unit.

The correct orientation of cables within all PROFIBUS plugs and devices is important. A tone detector probe is included for the identification of these signals as well as a separate tone generation module for tracing LAN and telecom wiring. Both modules are powered by button cells which are provided.

|                |   |
|----------------|---|
| Certifications | CE EMC emission and susceptibility  |
| Current        | 4mA to 12mA   |
| Power supply   | 9V dry battery  |
| Cable length   | 1m to 1000m (tested)  |
| Dimensions     | <ul style="list-style-type: none"><li>• HP-25 Cable Tester: 118mm x 77mm x 24mm</li><li>• Tone Detector: 195mm x 47mm x 30mm</li><li>• Cable end test plug: 45mm x 31mm x 16mm</li><li>• Battery (9V PP3): 48mm x 25mm x 16mm</li><li>• Package size for shipping: 300mm x 190mm x 85mm</li></ul>   |
| Product weight | <ul style="list-style-type: none"><li>• HP-25 Cable Tester: 168g (complete with battery)</li><li>• Tone Detector: 122g (complete with batteries)</li><li>• Cable end test plug: 20g</li><li>• Battery (9V PP3): 45g</li><li>• Package size for shipping: 750g (complete with 2 batteries)</li></ul> |



## What's included in the box?

The Hi-Port HP-25 is supplied with the silver end of cable test plug, spare PP3 battery and tone detector probe, all in a robust carry case.



Fault details are emphasised by a display of associated conductor colour information, showing green, red or black backgrounds for A-line, B-line or cable screen/shield respectively.

The HP-25 tester is powered by a single 9-volt PP3 battery with suitable re-chargeable versions and is only suitable for use on totally unpowered cables.



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