



Low-Cost Backplane Tester with
Daisy-Chain Switching Matrix

W 324

Cable Test

Backplane-/Racktest

Function Test

Specials

 **WEETECH**

As an entry-level system, the **W 324** offers all the benefits of Daisy Chain technology at an appealing price, while allowing for future expansion. The Daisy Chain cassettes plug directly into the backplane connectors. This avoids unreliable and expensive adaptation cables and increases measuring accuracy.

■ Testing and Measuring Performance

Generators	<ul style="list-style-type: none"> · Constant-voltage generator up to 250 Volts, programmable with 12-bit resolution (max. 40 Volts with 40 V Matrix) · Current generator with 10 mA and 50 mA output
Measurement Units	<ul style="list-style-type: none"> · Bipolar voltage meter with 12-bit resolution · Bipolar current meter with 12-bit resolution
Continuity Test	<ul style="list-style-type: none"> · 40 V: Thresholds down to 0.3 Ohms \pm (2% + 0.15 Ohms) · 250 V: Thresholds down to 0.5 Ohms \pm (2% + 0.25 Ohms)
Insulation Test	<ul style="list-style-type: none"> · Thresholds up to 1 MOhm \pm 1%, up to 10 MOhms \pm 2% · Voltage up to 40 Vdc or 250 Vdc, current max. 400 μA
Component Test	<ul style="list-style-type: none"> · Resistors from 0.5 Ohms to 10 MOhms, \pm (2% + 0.25 Ohm) · Capacitors from 20 nF to 10 mF, \pm (10% + 10 nF) · Diodes and Zener Diodes – test of forward, reverse and Zener voltage · Functional test of keys and switches <p>Typical values, being valid at the front panel of the tester without adaptation at 25 °C and a relative humidity smaller than 60% and a system size of 2,500 test points.</p>

■ Technical Details

The Daisy Chain cassettes are populated with plug-in test point modules as required for the pin count of the target connector. To serve irregularly laid out contacts, the tester can be equipped with additional stationary test points.

Daisy-Chain Matrix	<ul style="list-style-type: none"> · Up to 10,240 test points, in one or two chains of up to 40 cassettes each · Up to 384 additional stationary test points · Versions for 40 Vdc and 250 Vdc maximum test voltage · Test point modules with 32, 128, 192 or 256 test points available
Daisy-Chain Cassettes	<ul style="list-style-type: none"> · Test point modules, reusable in any other configuration · Output connector in imperial, metric or special pitch

■ Further Details

Interfaces	<ul style="list-style-type: none"> · Parallel interface with input port for the control computer and pass-through output for a printer · Control interface (option) for remote operation and driving external devices, e.g. fixtures and feeders
Dimension and Weight	<ul style="list-style-type: none"> · Portable box, dimensions (W x D x H), 235 x 420 x 177 mm, weight max. 8 kg without Daisy-Chain cassettes
Power Supply	<ul style="list-style-type: none"> · 100–230 Vac/50–60 Hz, max. 300 VA