



High-Speed Tester for
Backplanes, Card Cages and Racks

W 3504
W 3525

Cable Test

Backplane-/Racktest

Function Test

Specials

WEE TECH

The **W 3504/W 3525** is used for the test of large backplanes, card cages and racks. The integration of test points into module Daisy Chain cassettes saves difficult adapters and unreliable tangle of test cables. Advantages include increased measuring accuracy and fast connection to the UUT for high throughput with either manual or automatic fixturing.

■ Testing and Measuring Performance

Measurement	<ul style="list-style-type: none">· Constant current, constant voltage generator· Voltage ranges: W 3504: 4 V, 40 V; W 3525: 4 V, 250 V· Current ranges: 1 mA, 10 mA, W 3504: 100 mA, W 3525: 50 mA· Bipolar voltage meter with five ranges: ± 100 mV, ± 1 V, ± 10 V, ± 100 V, ± 500 V· Bipolar current meter with six ranges: ± 1 μA, ± 10 μA, ± 100 μA, ± 1 mA, ± 10 mA, ± 100 mA· 12 bit resolution in all current and voltage ranges
Continuity Test	<ul style="list-style-type: none">· W 3504: down to 0.3 Ohms \pm (2 % + 0.15 Ohms)· W 3525: down to 0.5 Ohms \pm (2 % + 0.25 Ohms)
Insulation Test	<ul style="list-style-type: none">· W 3504: up to 10 MOhms \pm 1 %, bis 40 MOhms \pm 3 %· W 3525: up to 10 MOhms \pm 1 %, bis 100 MOhms \pm 3 %
Component Test	<ul style="list-style-type: none">· Resistors - same performance as continuity test, see above· Capacitors from 20 nF – 40 mF, \pm (10 % +10 nF)· Diodes and Zener Diodes - test of forward, reverse and Zener voltage· Functional test of keys and switches

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.

■ Technical Details

Daisy-Chain Matrix	<ul style="list-style-type: none">· Fifteen chains with up to 10,240 test points each, up to 30 chains on request· Single point transistor matrix· Stationary test points are available in expansion units with 64- or 96-pin DIN 41612 type C connectors· 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 with other cassettes· Custom designed cassettes with multiple test point modules· Output connector in imperial, metric or special pitch, or customer specific

■ Further Details

Interface	<ul style="list-style-type: none">· Control interface for remote operation and driving external devices, for example, fixtures and feeders (optional)
Enclosure	<ul style="list-style-type: none">· Dimension (W x D x H) 550 x 500 x 600 mm, weight max. 50 kg
Power Supply	<ul style="list-style-type: none">· 115 or 230 Vac/50–60 Hz, max. 500 VA