



MAGNATEST D MULTIPLEXER

Flexible test configurations with multiple test coils



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Up to 16 test coils. Maximum flexibility. The MAGNATEST D MULTIPLEXER expands the MAGNATEST D for testing applications involving multiple test coils. Different test positions and testing tasks can be flexibly integrated into a single test system. In the standard configuration, up to four test coils can be connected, while expansion modules allow the MULTIPLEXER to be extended to six or eight connections.

The active test coil is selected directly via the MAGNATEST D and stored together with the respective parameter set. Once the test definition has been configured, the system automatically switches to the designated test coil when the corresponding test definition or parameter set is called up. No additional settings for coil switching are therefore required during series production.

More extensive test configurations can also be implemented flexibly: Up to two MULTIPLEXERS can be cascaded, allowing a total of up to 16 test coils to be operated with one MAGNATEST D. Up to eight test coils can be used within a single test definition or test job.

The MAGNATEST D combines the individual results from the test coils used into an overall test result. Optionally, the individual result for each test coil can also be output separately. This makes it possible to efficiently handle more complex testing tasks with multiple test positions within a single system.

YOUR ADVANTAGES AT A GLANCE

Flexible coil configuration: Connect up to four test coils in the standard configuration and optionally expand the MULTIPLEXER to six or eight connections.

Scalable up to 16 test coils: Cascade two MULTIPLEXERS to operate up to 16 test coils with one MAGNATEST D.

Automatic coil switching: Select the active test coil via the test definition or parameter set and switch automatically when it is called up.

Efficient series production: Once configured, no additional settings are required for switching between test coils.

Flexible result output: Combine individual coil results into an overall test result or optionally output the result for each test coil separately.

Direct power supply: Power is supplied to the MULTIPLEXER via the coil cable from the MAGNATEST D – no separate power supply is required.

Wear-free switching: Solid-state relays enable reliable, wear-free switching between test coils.

TECHNICAL INFORMATION

TEST COIL CONNECTIONS:	4 standard, expandable to 6 or 8
MAXIMUM NUMBER OF MULTIPLEXERS:	2, cascade connection
MAXIMUM TEST COILS PER MAGNATEST D:	16
TEST COILS PER TEST DEFINITION / TEST JOB:	Max. 8
INTERFACES:	Coil cable and 37-pin control cable*
POWER SUPPLY:	Via coil cable from the MAGNATEST D
DIMENSIONS (H × W × D):	Approx. 132 × 483 × 300 mm
WEIGHT:	Approx. 6 kg
OPERATING TEMPERATURE:	+5 to +40 °C
RELATIVE HUMIDITY:	Max. 85%, no condensation
PROTECTION RATING:	IP65, front panel
REQUIRED SOFTWARE VERSION:	MAGNATEST D V1.07 or higher



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