Multi-purpose test generator

This test generator can be connected to inputs of a variety of Peiseler test systems for measuring ***distance, slip, and fuel consumption.***

Suitable for:

VTS-Plus, DB-Print, VTS-WB, DBV, VS, VAZ-2E, VZW-2E, and for all other Peiseler systems having inputs for pulses from sensors measuring distance travelled, slip and fuel consumption.

Application:
This test generator perrmits simulating measurements in a simple way, thus enabling the user, for instance, familiarizing oneself „hands-on“ with the functions of a test system (Peiseler power supply 220VAC – 24VDC could be another useful tool for this application).
Also, in the laboratory, the test results to be expected can be simulated in order to optimize settings.

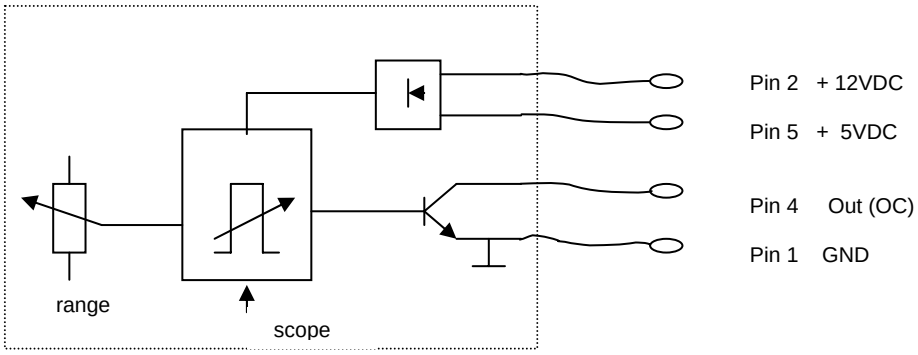
If the system should operate perfectly when using this test generator, and malfunctions should be encountered in service, the source of the problem can be narrowed down to cables, sensor or sensor connection.

Simple operation:
Just connect the test generator to the Peiseler system and turn on the power supply: LED „power“ will signal readiness. Start measurement and simulate (speed or consumption) test pulses by turning the rotary knob. Stop measurement.

Optimizing the output frequency:

1. Set potentiometer „range“ to maximum
2. By using a screwdriver, set potentiometer „scope“ such that the connected test equipment displays maximum test range, e.g. 200 km/h
3. Potentiometer „range“ can now be rotated for setting the proper test value.

Block diagram:



Specifications:

Power supply	+ 5VDC or + 12VDC, max. 15VDC / 10mA
Output	Open collector; pull-up resistor 1k... 2k2 needed *- available in Peiseler test systems-* Output with protective resistor 22 Ohms
Connecting plug	5 pin connector, suitable for all Peiseler systems
Pulse ratio	50 : 50 +/- 10%
Frequency range	depending on „scope“ 0 - 70 kHz (max. 250 km/h with 1000 imp/m)
Temperature range	between –20° and +50°C
Physical dimensions	57 * 36 * 20 mm ; cable length approx. 0.4m

Part no.	Description
5100	**test generator**

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