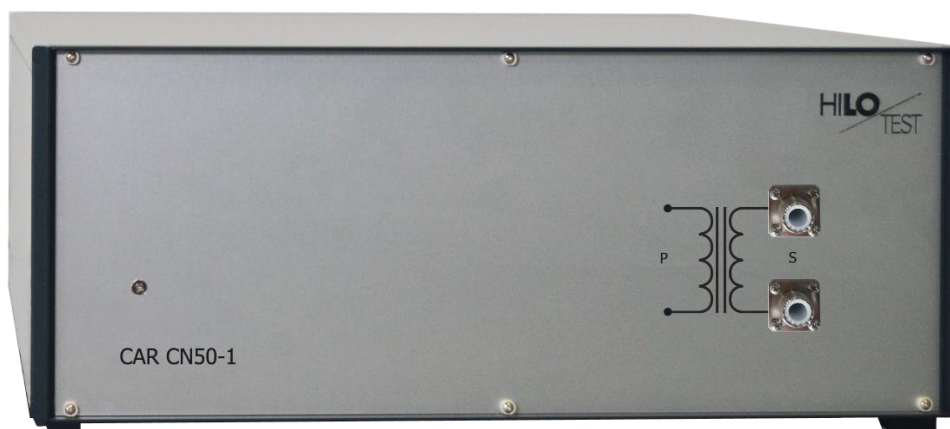


CAR – Coupling Network

CAR – CN50-1

Coupling network for low frequency sinusoidal disturbances

- **Coupling transformer**
- **Frequency range 30Hz – 300kHz**
- **Voltage capability: 1800V**
- **Current capability: 50A (rms)**
- **Turns ratio 2:1 step down**



According to
ISO 7637-4: 2020

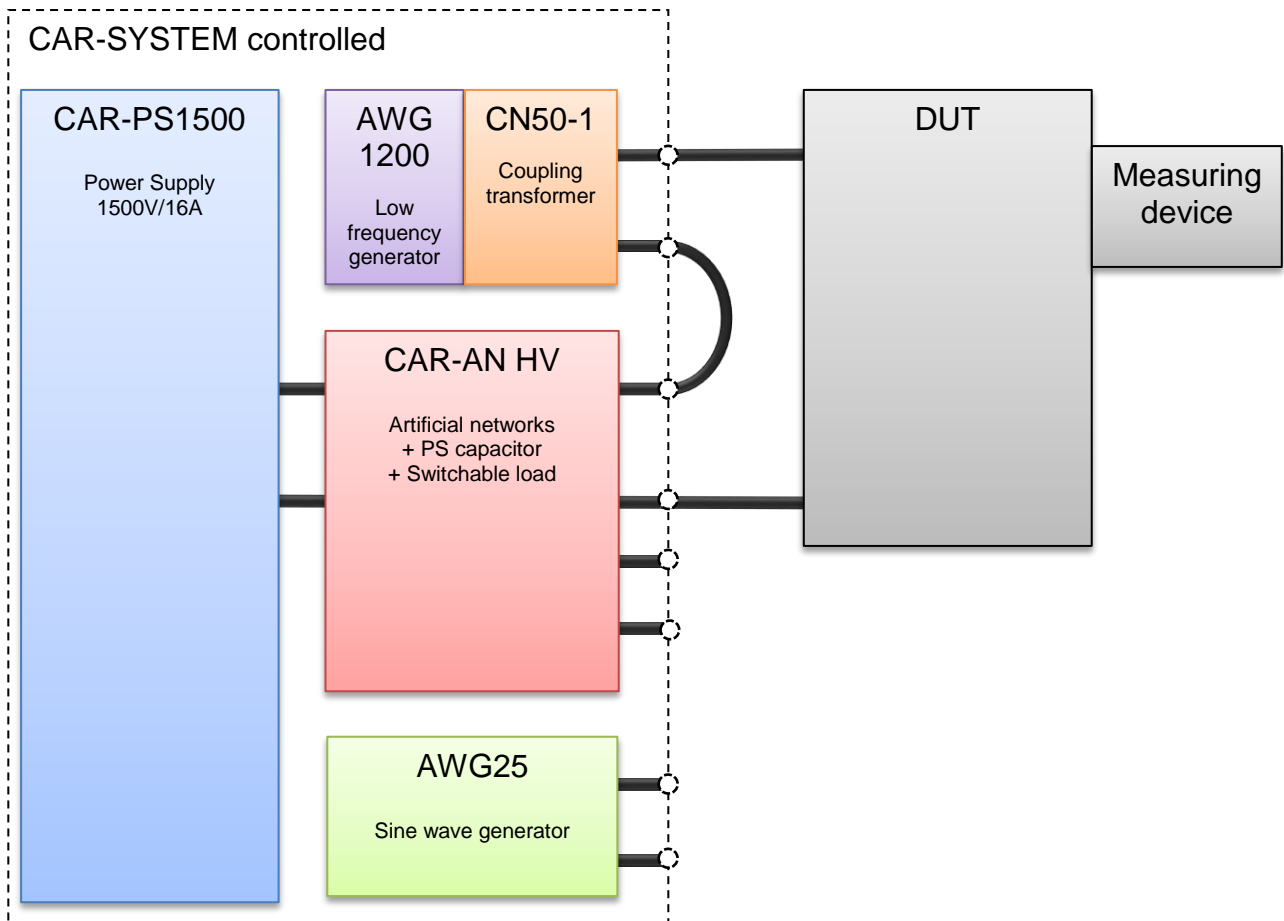
The CAR coupling network 50-1 is used to couple, according ISO 7637-4:2020, the required sinusoidal disturbances into the DUT. This transformer also facilitates d.c. isolation of the LF generator from the DUT. The transformer has a current rating of 50A (rms) for the DUT.

The software program CAR-remote permits the PC control of the CAR-System via Ethernet and allows the standardized documentation according to IEC 17025 and the evaluation of test results.

Control	Description
CAR-REMOTE-AWG	Remote software with Impulse Recording Function (IRF) (XP, WIN7, WIN10) incl. Ethernet switch

Setup for a full setup to fulfil standard ISO7637-4:2020:

In example for connection of pulse B (“in-line HV+”):



TECHNICAL SPECIFICATIONS:		CAR – CN50-1
Mainframe		
Ethernet Interface for remote control of the generator		Built-in
Connector for external safety interlock loop		24 V=
Mains power		90V - 264V, 50/60 Hz
Dimensions, case, W * H * D		450*180*500 mm ³
Weight		10kg
Transformer		
Isolation transformer		
Frequency range		30Hz – 300kHz
Max. Power		200W
Max. Current		50A (rms)
Max. Voltage		1800 V
Turns ratio		2:1 step down
Cooling		Controlled fans and heat sink
Overcurrent Protection with CAR SYS		Magnetic and Thermic
Triggering with CAR SYS		Software - Manual - Extern
Trigger output with CAR SYS		For Oscilloscope