



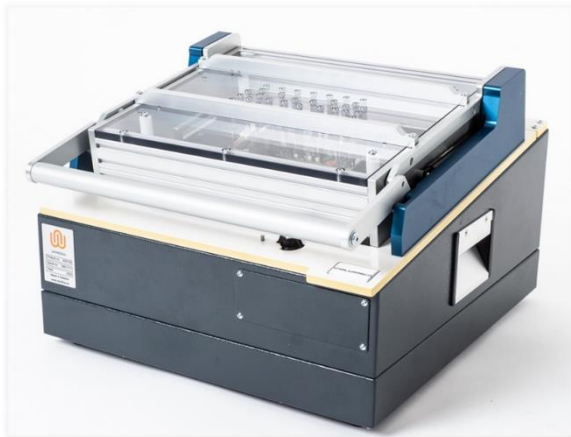
Stenpiren Test Fixtures

WireFlow's robust and scalable platform for production test and programming

The Stenpiren series from WireFlow is a suite of highly configurable Test Fixtures that fits most production test needs. A fixture can use interchangeable cassettes which enable re-use of the instrumentation for different variants of the circuit board under test.

Several different connection methods are available; such as needle-beds, side approach mechanisms and affordable cable connections. The fixtures come with a DC power supply and a multi I/O board and can be extended with instruments and other special devices as needed by your application.

WireFlow has a wide portfolio of well-proven instrumentation to choose from.



Application areas

- Circuit board production testing
- In Circuit Testing (ICT)
- Functional testing
- Device programming and configuration
- High volume needle-bed testing
- Low volume connector interface testing

Features

- Fixed plate or Interchangeable cassettes
- Linear click system with ball bearings
- 10 mm ESD-proof top cover
- Telescopic guide rail and catch
- USB Multifunction I/O Device
- Powered by 48VDC



Specifications

Dimensions (size S/M/L) (wxdxh1xh2)	254x400x50x140 / 470x490x100x170 / 620x589x100x184 mm
Max size DUT (S/M/L) (wxdxh)	197x114x12 / 335x250x60 / 450x330x60 mm
Max no of probes (2N):	1000 units
Power supply	48V/4A
Analog inputs	8ch, 14-Bit, 20kS/s, $\pm 10V$, $>1G\Omega$, 300kHz
Analog outputs	2ch, 14-Bit, 5kS/s, $\pm 10V$, $\pm 5mA$, 0.2Ω , 300kHz
Digital I/O	13ch, OC/DD, 3.3V (5V tolerant), $\pm 4mA$

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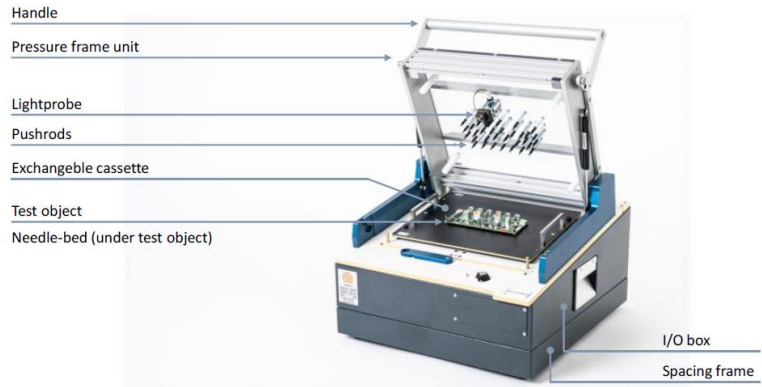
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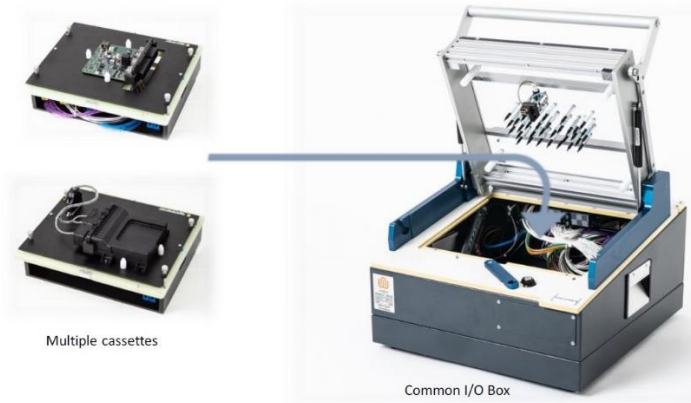
Stenpiren Data Sheet
AB0005-125, rev C

Stenpiren (The stone pier) is a tram stop in Gothenburg. If you take the ferry from WireFlow HQ, on the island Hisingen, you will arrive at Stenpiren. The pier was built in 1845 where there used to be a wooden bridge, which was one of the city's first quays used for the archipelago boats.





A medium size fixture with a needle bed cassette



Interchangeable cassettes enable testing of many types of boards with one common I/O-box

Fixture variants & Ordering information

Application	SMALL	MEDIUM	LARGE
Connector interface <i>Supports many DUT by using different cable harnesses</i>	 Pressure frame: No Cassette: No Article no: AE0033/010	 Pressure frame: No Cassette: No Article no: AE0033/011	 Pressure frame: No Cassette: No Article no: AE0033/012
Needle-bed interface <i>Supports one type of DUT with a needle-bed</i>	 Pressure frame: Yes Cassette: No Article no: AE0033/020	 Pressure frame: Yes Cassette: No Article no: AE0033/021	 Pressure frame: Yes Cassette: No Article no: AE0033/022
Cassette interface <i>Supports many DUT by using different cassettes with Needle-beds or connector interfaces</i>	Not available	 Pressure frame: Yes Cassette: Yes Article no: AE0033/031	 Pressure frame: Yes Cassette: Yes Article no: AE0033/032

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Standard options

Option id	Option description
OP.501	Spacing frame, 50mm
OP.502	Start button
OP.503	Gnd button for ESD Wrist Band
OP.504	Lightprobe
OP.001	JTAG / SWD Programmer, USB
OP.002	Programmable Power Supply with current measurement, 0-45V/5A, USB
OP.003	Multifunction I/O Device, 8AI (4 diff), 2AO, 13 DIO, USB
OP.004	Multifunction I/O Device, 80AI (40 diff), 2AO, 24 DIO, USB
OP.005	16ch Multiplexer/Relay Solid State, 60V/700mA, I2C control
OP.006	8ch Relay Solid State, 60V/500mA, TTL control
OP.007	4ch Relay Solid State, 60V/5A, TTL control
OP.008	Temperature thermocouple / low-voltage measurement device, 1ch, USB
OP.009	2-Port, High-Speed/FD, CAN Interface Device, USB
OP.010	1-Port, High-Speed/FD, CAN Interface Device, USB
OP.011	6½-Digit, ±300 V, Digital Multimeter Device, USB
OP.012	1-port isolated RS-232/422/485 Ethernet-to-serial converters
OP.013	2-port isolated RS-232/422/485 Ethernet -to-serial converters
OP.014	Fixed isolated DCDC Power Supply, 12V /4.2A
OP.015	Fixed isolated DCDC Power Supply, 5V /5A
OP.016	Fixed isolated DCDC Power Supply, 3.3V /12A
OP.017	Fixed isolated DCDC Power Supply, 24V /4.2A
OP.018	1-port serial-to-Ethernet Modbus gateway
OP.019	2-port serial-to-Ethernet Modbus gateway
OP.020	RS232 isolator & voltage level converter 3.3V/5V
OP.021	ICT adapter board, I2C control
OP.022	I2C and SPI interface device with 8 general purpose DIO, USB

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