



# COMPANY PROFILE

## ABOUT VX INSTRUMENTS

For more than 20 years, VX Instruments has been developing and producing **high-tech test and measurement equipment** as well as customized solutions. Our **isolated instruments** are adapted for the use in **quality assurance laboratories** and in **production testing** in the automotive, semiconductor and electronics industries.

Some of the largest technology enterprises use our measuring devices to test their innovative products - be it in the fields of **renewable energies** or **electric mobility**. The products that we develop are often used in 24-hour continuous operation during **production processes** – and this while maintaining consistent precision. In order to guarantee this quality, the **best engineers**, in-depth **industry know-how** and a good organization are required. For this reason, we have been an **ISO 9001** certified company since 2003.

Passion for precision and innovation is what drives us forward. Since our **foundation in 1989**. What began as a Bavarian tinkerer blacksmith, the „**Ingenieurbüro Johann Degenhart**“, advanced in **1998** to the globally operating **VX Instruments GmbH**. Today we are still developing with the same passion, but on a **much larger scale**. The technology, innovation and quality of our products are in worldwide demand. We currently export to **over 30 countries**, supported by **distributors** including India, the UK, China and Korea. A little of VX Instruments can be found almost everywhere and we are proud of that: some of the largest technology enterprises use our measuring devices to test their innovative products - be it in the fields of renewable energies or electric mobility. Devices that you use and like every day.





# PRODUCT OVERVIEW



Waveform Digitizers /  
Arbitrary Waveform  
Generators



Source Measure Units

Test Systems



Digital Multimeters



Chassis & Accessories



# PXI & PXI Express™

VX Instruments provides you with all the components you need to configure your PXI test system. We develop instruments for signal acquisition from high-speed DMMs over digitizers to arbitrary waveform generators and source and measurement units. Every instrument is available as an isolated version, what reduces ground loops and provides you with the possibility to measure in-circuit.



## DIGITAL MULTIMETER

- 4 instruments in one device
- Configuration and switching times down to 1ms
- High input voltage up to 500V<sub>pp</sub>
- 16 Bit resolution at 20MS/s



## WAVEFORM GENERATOR & DIGITIZER

- High output voltage up to ±40V
- High input voltage range up to 500V<sub>pp</sub>
- Sampling rate 200MS/s with 16 Bit resolution
- Completely isolated instruments
- Integrated timer/counter & DVM function



## SOURCE MEASURE UNIT

- Up to 25W power output
- 4-quadrant operation, slew rates up to 500V/ms
- 16Bit measure unit (U, I)
- Fully isolated instrument
- Digitizer- and ArbGen function



## CHASSIS & ACCESSORIES

- Compact 19" PXI Express Chassis with 1 or 2HE
- High performance PXI Express embedded controller
- 4-port PXIe USB3.0 card
- Trigger module with 12 independent lanes



## SEMICONDUCTOR TEST SYSTEMS

Since over 20 years we are helping our customers to realize complex test applications. Here are some examples of test systems that we developed.

300  $\mu$ s

2400 A

$C_{E_{ON}}$  Voltage

Gate-Threshold

Breakdown Voltage

Saturated Test

Desaturated Test

250 mA

2  $\mu$ s Pulse

LIV Sweeps

**LASER DIODE  
TEST SYSTEM**

**MOSFET  
 $R_{DS(ON)}$  TESTER**

**STATIC IGBT  
TEST SYSTEM**

**DYNAMIC IGBT  
TEST SYSTEM**

We are at your side from the conception to the realization of your test system.

## DISTRIBUTORS & CONTACTS WORLDWIDE

