

Revolutionary

- Truly unique ultrasound NDT (Non-Destructive-Testing) and Flow meter measuring device based on **low-voltage pulse compression method**.
- First of its kind that uses optimal full-duplex continuous long pulse compression method that **achieves deepest penetration using only a few volts**, instead of hundreds of voltages used by all incumbent pulser instruments.
- The time and frequency domain optimized complex low voltage signal keeps the transducers and test subjects operating in ideal linear range, hence a user gets the best SNR: **low noise floor, high resolution and sensitivity and negligible time-zero blind zone**, all unattainable by the existing pulser instruments.

Contact Us:

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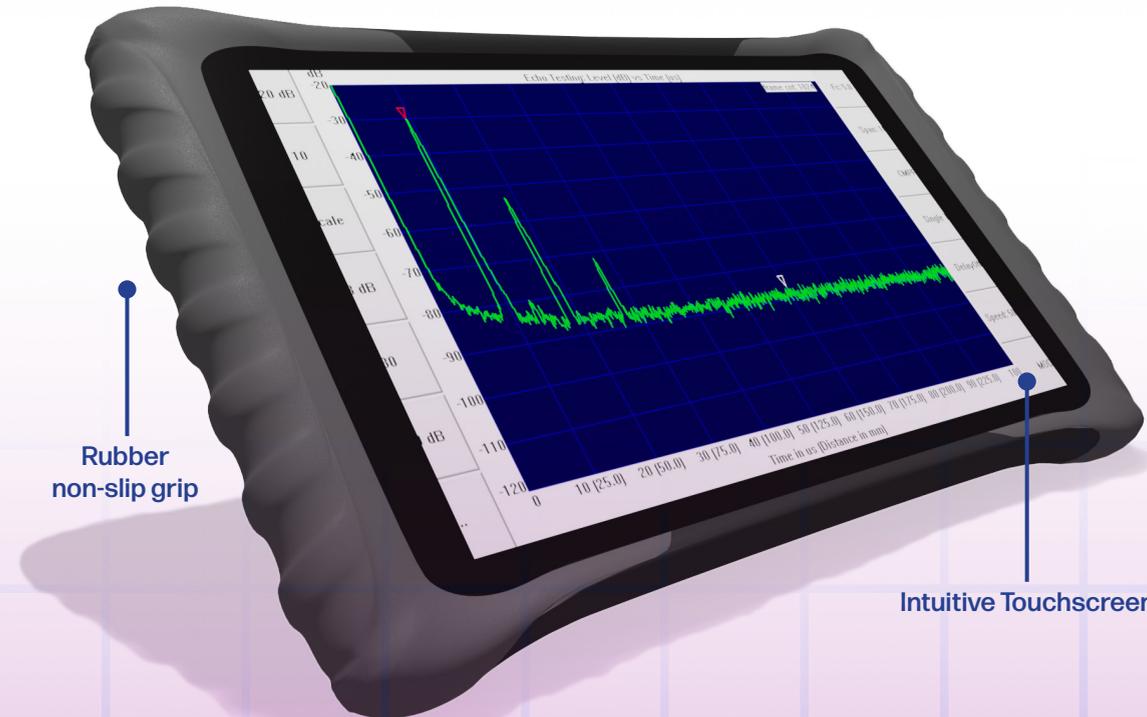
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Revolutionary, Groundbreaking, Advanced.

The **8801 UDLV-NDT** is the world's first low-voltage, deep penetrating industrial ultrasound NDT instrument using sophisticated, continuous, full duplex, pulse compression technology. Our mere 3V signal overtakes a 300V pulser unit. Our TOF (Time of Flight) measurement stability goes down to sub-nano-seconds.

圣吉 8801UDLV-NDT 产品是世界上首台低电压深穿透精准脉冲压缩方法基于的超声无损和流速检测仪器。先进的信号处理技术提供安全, 高线性度, 高信噪比的精准测量, 可以用在任何工业和医疗超声检测领域。



Groundbreaking

- Automatically capable of flow-meter function with ToF (Time of Flight) difference measurement down to **sub-nano-seconds**.
- **Precise and repeatable amplitude, phase, and ToF** measurements make it ideal for non-intrusive material characterization applications (such as non-contact chemical content identification).
- **Safe and easy to operate**, works with all existing piezo-electric transducers, good for all conditions (shallow, deep and medium range defect detection) and all materials (solid or liquid).

Intended Applications

- Defect detection (无损检测)
- Thickness meter (厚度计)
- Flow meter (流速计)
- Fine Material characterization (超薄和精细材料特性检测)
- Scanning Acoustic Microscopy (超声显微镜)
- Indoor Positioning System (室内定位系统)
- Sonar and engineering radar (声纳和工程雷达)
- High performance medical imaging (高性能医疗超声成像)