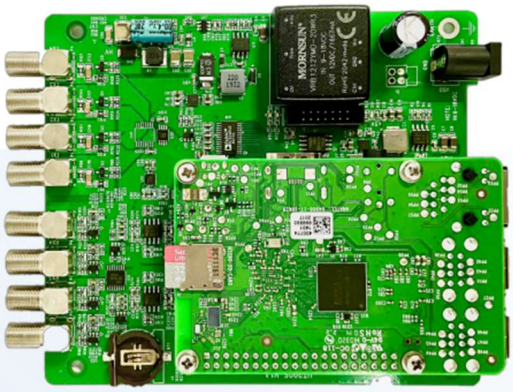
PRODUCT PRESENTATION

Broadsens

UT200s is a high-speed multichannel ultrasonic thickness gauge. It supports both first-echo and echo-echo measurement, which makes it ideal for online corrosion monitoring or robotic-based inspection for structures such as boiler tubes, large chemical containers or rail tracks. With echo-echo mode, the surface paint will be ignored and the thickness can be measured with high accuracy. UT200s is easy to use with automatic gain adjustment. It can be controlled remotely through a network interface wired or wirelessly. Multiple UT200s can be connected together for parallel inspection or large structure monitoring. Measurement data can be downloaded for advanced analysis.

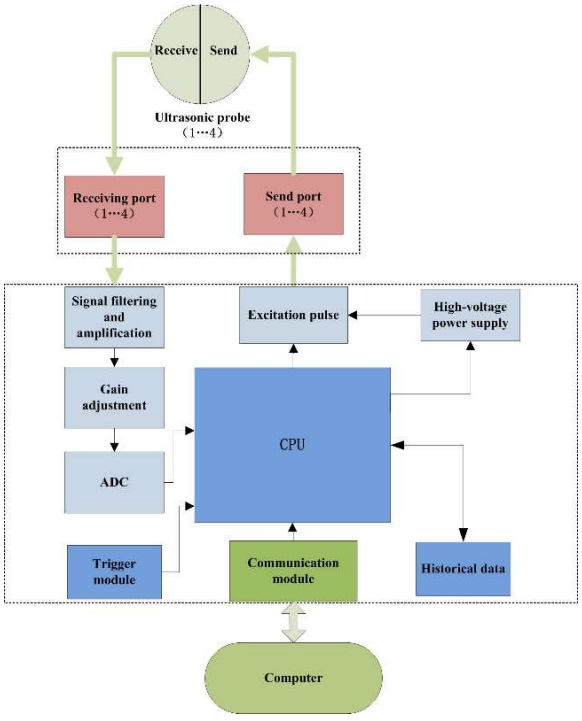


Ultrasonic thickness gauge UT200s

Ultrasonic probe

Model number	UT200s
No. of Channels	4
Measurement range	2mm-100mm
Connector	LEMO 00
Wave speed	1000-9999m/s
Resolution	0.001mm
Accuracy	H<5mm, ±0.002mm H>5mm, ±(1%+0.005)mm
Data acquisition	Single/continuous
Measurement method	First echo; echo-echo
Microprocessor speed	1.2GHz
Data storage	32GB
Waveform export	ASCII
Network Interface	WIFI/Ethernet
Power supply	9-18VDC
Power consumption	0.5A@12V
Size (L*W*H)	122*106*230mm
Working temperature	-20° C～70° C
Working humidity	10%～90%RH

Name	Ultrasonic thickness probe
Model	BHU210
Frequency	5MHz
Crystal	double
Diameter	8MM
Range	1.5-200mm



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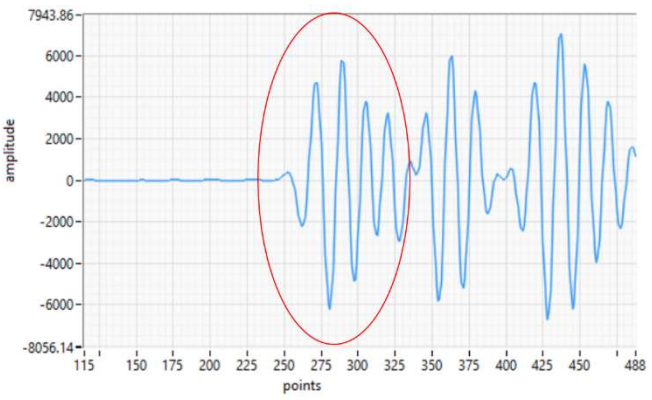
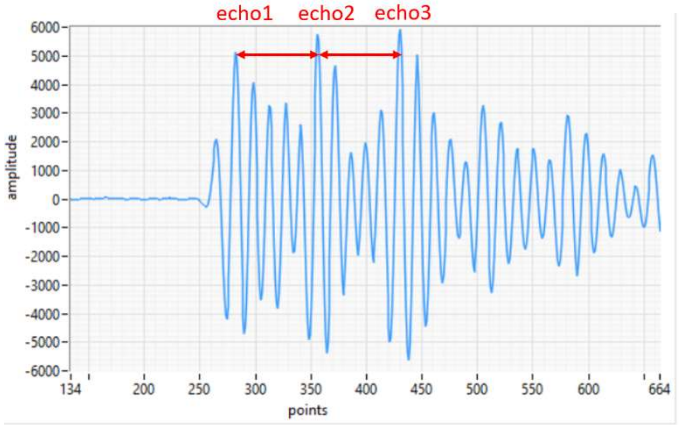
UT200s Technical Advantages

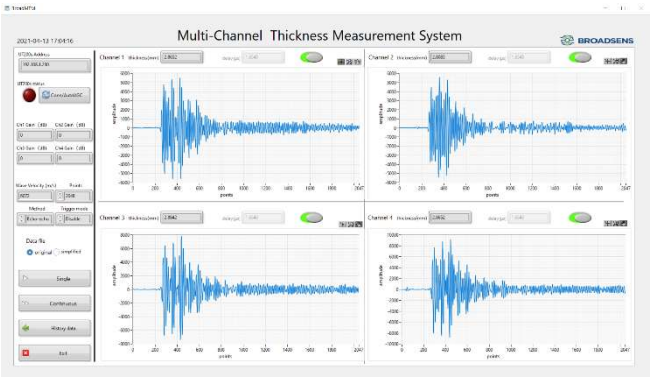
- Easy to use
- Low power
- Automatic gain adjustment
- Data export
- High resolution
- High accuracy
- Manual gain adjustment
- Adjustable sampling points
- Large data storage
- Waveform display
- Waveform zoom in/out
- History waveform replay
- Long distance control
- Multiple connection
- Individual channel control
- Integrated hardware filter
- Integrated software filter
- Isolated power supply



First-echo method



Echo-echo method



Software interface

UT200s PC side control software BroadMTM is written in Labview, which shows the thickness measurement and its waveform in real time. Each channel can be individually adjusted for accurate measurement. History data can be loaded and reviewed in the software interface. Each channel can be individually turned off when it is not in use. BroadMTM software support single measurement or continuous measurement for robotic based inspection.

"Broadsens, sense the broader world"

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