

## Ultrasonic Flaw Detector MFD-6000



## Functions & Features

- Probe automatic calibration
- DAC and AVG are automatically formed, and can be corrected and compensated
- Freely switch to four kinds of standards (depth D, level P, distance S, amplitude H)
- Automatically calculate the  $\phi$  value equivalent defects
- Storage: 980 pieces of A-scan images and data
- The width and intensity of launch pulse are adjustable;
- With the durable shell ,oil-proof, water-proof and dust-proof;
- PC software is available for data analysis, management and reports printing
- Power supply: rechargeable Li-ion battery, standby time more than 15hours

## Application

- Application for quickly and accurately detection, positioning, evaluation and diagnosis of various flaws in the work-piece, such as cracks, welds, blowhole, etc. It Widely used in electric power, petrochemical, boiler and pressure vessel, steel, military, aerospace, railway transportation, automobiles, machinery, and other fields.

## Technical Parameters

|                            |                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|
| Model                      | <b>MFD-6000</b>                                                                                                    |
| Operating Frequency        | 0.5MHz~15MHz                                                                                                       |
| Scanning Range             | 0-6000mm                                                                                                           |
| Vertical linearity error   | ≤4%                                                                                                                |
| Horizontal linearity error | ≤0.1%                                                                                                              |
| Dynamic Range              | ≥32dB                                                                                                              |
| Noise Level                | <8%                                                                                                                |
| Velocity Range             | 1000~9999 (m/s)                                                                                                    |
| Testing Sensitivity        | ≥60dB (Depth 200mm, Φ2 flat bottom hole)                                                                           |
| Gain Range                 | 0~110dB                                                                                                            |
| Standard Probes            | Straight probe: 2.5MHz, diameter 20mm<br>Angle probe: 4MHz, 60 degree, 8*9 mm                                      |
| Standby Time               | ≥ 10 hours of continuous work                                                                                      |
| Temperature                | (- 20 ~ 70) °C                                                                                                     |
| Humidity                   | (20 ~ 95)% RH                                                                                                      |
| Overall dimension          | 240×160×40mm                                                                                                       |
| Weight                     | 1.2kg                                                                                                              |
| Standard Delivery          | Main Unit、Straight probe、Angle probe、Power adapter、BNC cable(Q9-Q9)、PC software, Manual,Certificate, Warranty card |
| Optional Accessories       | Optional probes, Cables, Calibration blocks, Coupling agent                                                        |

## Pictures

