

## Ultrasonic Flaw Detector Model UFD – 130



# UFD-130

### ■ Features

- \* High output and high gain.
- \* Applicable of two-channel gate or electronic marker, as an extended function.
- \* Allowing automatic testing.

### ■ Applications

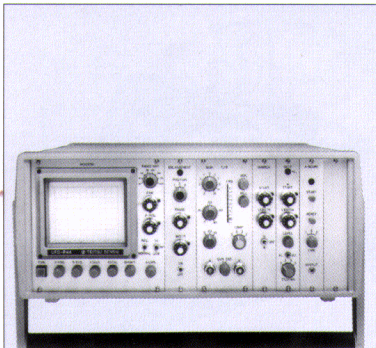
Suitable to detection of small flaws and testing of materials with high attenuation, due to high power transmission output and tuning type receiver resulting high gain, of the flaw detector. Optimum for testing of long objects based on the time base as long as 12m max.

### ■ Specifications

- |                         |   |
|-------------------------|---|
| ① Display               | 6 inch high brightness square CRT             |
| ② Testing range         | 25 ~ 12,000mm (longitudinal wave in steel)    |
| ③ Receiver frequency    | 0.5, 1, 2, 5, 10MHz (narrow band)             |
| ④ Gain control          | Overall 90dB (0.5dB × 20, 2dB × 20, 20dB × 2) |
| ⑤ Amplitude linearity   | Within ±3% deviation                          |
| ⑥ Time-base linearity   | Within ±1% deviation                          |
| ⑦ Power supply          | AC 100V (±15V)                                |
| ⑧ Dimensions and Weight | W366 × H190 × L360mm, 15Kg approx.            |

For use of railway axle inspection

## Ultrasonic Flaw Detector Model UFD – RH4



# UFD-RH4

### ■ Features

- \* A state-of-the-art instrument for exclusive use of axle inspection.
- \* High resolution power to separate two or more flaws at closed distance each other.
- \* Partial expansion of testing pattern at arbitrary distance with a single motion.
- \* Capable of parallel running by two instruments.

### ■ Applications

- \* Testing of fatigue flaws in railway axle or motor shaft.
- \* Testing of fatigue flaws of roller shafts in steel works, paper mills and food oil plants.

### ■ Specifications

- |                         |   |
|-------------------------|---|
| ① Display               | 6 inch square flat face CRT with JIS graticule, DC (video), unsaturated |
| ② Testing range         | 25 ~ 12,000mm (longitudinal wave in steel)                              |
| ③ Receiver frequency    | 0.5, 1, 2, 3, 5MHz (narrow band)  |
| ④ Pulse marker          | 30 ~ 500mm continuously variable  |
| ⑤ Expansion start       | 50 ~ 3,000mm (longitudinal wave in steel)                               |
| ⑥ Power supply          | AC 100V ±15V, 50/60Hz, 50VA approx.                                     |
| ⑦ Dimensions and Weight | W205 × H475 × L425mm, 16Kg approx.                                      |
| ⑧ Optional function     | A-scope pattern recording unit, Alarm gate unit                         |

Hand carry type eddy current flaw detector

## Eddy Current Flaw Detector Model MFD – 818



# MFD-818

### ■ Features

- \* A hand carry type tester with LCD display
- \* Selectable functions using push-button switches for easier operation.
- \* Auto balance system to be actuated by a single motion.
- \* Built-in  $\mu$ CPU.

### ■ Applications

Testing of thickness reduction, and surface/subsurface flaws in nonferrous pipes and including brass, copper and aluminum.

### ■ Specifications

- |                         |                                   |
|-------------------------|-----------------------------------|
| ① LCD display           | 192 × 128 dots with back lights   |
| ② Frequency             | 1 · 2 · 4 · 8 · 16 · 32KHz        |
| ③ Sensitivity           | 0 ~ 40dB (1dB step)               |
| ④ Rejection             | 0 ~ 20dB (1dB step)               |
| ⑤ Phase angle           | 0 ~ 360° (5° step)                |
| ⑥ Power supply          | AC 100V, 20VA                     |
| ⑦ Dimensions and Weight | W260 × H150 × L320mm, 6Kg approx. |