

LINE-UP OF HANDY TYPE ULTRASONIC THICKNESS GAUGE

Exclusive use for SS steel

Ultrasonic Thickness Gauge Model UDM – 450S



UDM-450S

■ Features

- * A handy type gauge, very simple operation and compact.
- * Zero alignment without test block.
- * Unique four-figure display.

■ Applications

Maintenance inspection of plant equipments including steel reservoirs, pipings and pressure vessels. Thickness gauging of mid sections in heavy plate and end plate, where gauging by vernier calliper or micrometer is not permissible.

■ Specifications

- ① Measuring range and accuracy 1.0mm ~ 99.95mm, ± 0.1 mm(steel)
- ② Velocity range 5,920m/sec fixed(in steel)
- ③ Power supply DC 1.5V(SUM-3 alkaline battery – 1pc)
Operating time : 250 hours or more
- ④ Dimensions and weight W66 × H140 × D28mm, Main unit : 290g approx.

General use (thickness unit of 0.1 mm)

Ultrasonic Thickness Gauge Model UDM – 550 plus one



UDM-550 plus one

■ Features

- * A universal type gauge with built-in μ CPU.
- * Zero alignment by a single motion of key pressing.
- * Selectable gain with two step control.
- * A variety of optional probes.

■ Applications

Thickness gauging, velocity determination and laminar defect detection of various material products of steel, cast iron and nonferrous materials, as well as plastics and glass. Maintenance inspection of every plant equipment, at a temperature range from room to higher.

■ Specifications

- ① Measuring range and accuracy 0.7mm ~ 250.0mm, ± 0.1 mm ~ $\pm 0.5\%$ (steel)
- ② Velocity range 500 ~ 9,999m/sec
- ③ Power supply DC 1.5V(SUM-3 alkaline battery – 1pc)
Operating time : 300 hours or more
- ④ Dimensions and weight W66 × H140 × D28, Main unit : 290g approx.
- ⑤ Optional probes Specialized for small dia pipe, cast iron, high temperature, thin plate and under water.

Data-logger built-in type

Ultrasonic Thickness Gauge Model UDM – 570DL



UDM-570DL

■ Features

- * Capable of data acquisition for 6,400 points maximum.
- * Allowing operator to make comparative gauging with previous data.
- * Easy to read due to large LCD display and back light.
- * Up-graded version of UDM-550 plus one, by adding built-in data logger.

■ Applications

Thickness gauging, velocity determination and laminar defect detection of various material products of steel, casting and nonferrous materials, as well as plastics and glass. Maintenance inspection of every plant equipment, at temperature range from room to higher.

■ Specifications

- ① Measuring technique 0.7mm ~ 250.0mm, ± 0.1 mm ~ $\pm 0.5\%$ (steel)
- ② Velocity range 0 ~ 16,000m/sec
- ③ Power supply DC 3V(SUM-3 alkaline battery – 2pcs)
Operating time : 110 hours or more
- ④ Dimensions and weight W70 × H155 × D28mm, Main unit : 370g approx.
- ⑤ Capacity of data-logger 6,400 points
- ⑥ Data input and output RS-232C (Capable of data exchange with PC-98 or IBM computer using attached cable and software)
- ⑦ Optional probes Specialized for small dia pipe, cast iron, high temperature and thin plate.