

**MiFLOW**

# Ultrasonic Thickness Meter

MiTM880/888



UTM880



UTM888

## Introduction

MiTM series Ultrasonic Thickness Meter uses a state-of-the-art Single-board technology featuring high precision, high reliability, high performance, components which make it the ultrasonic thickness meter of choice to many customers all over the world.

Ultrasonic Thickness Gauge measuring with ultrasonic wave is used for measuring the thickness of all material in which ultrasonic wave can be transmitted and reflected back from the other face. The gauge can provide quick and accurate measurement to various work pieces such as sheets of board and parts.

## Application

The handheld microprocessor-controlled thickness gauge is designed for measuring the thickness of metals, and non-metallic materials e.g. Aluminum, titanium, plastics, ceramics, glass and any other good ultrasonic wave-conductor as far as it has two parallel surfaces on the top and bottom.

The MiTM880 can be used in industrial applications to perform precise measurements on various kinds of new materials, parts, components and it can also be used to monitor various kinds of pipes and pressure vessels for the reduction in their thickness due to corrosion and / or erosion.

## Specifications:

Display type: 4-digit LCD

Display resolution: 0.1mm

Measuring range: 1.2mm--225.0mm @ 5MHz transducer

Lower limit for steel pipes:  $\varnothing 20\text{mm} \times 3.0\text{mm}$

Measurement accuracy:  $\pm 0.1\text{mm}$

Sound velocity range: 1000-9999m/s

Coupling check: satisfactory/ no probe coupling

Memory: 10 thickness readings

Range of operation temperature:  $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$

Surface temperature of work piece:  $10^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Update rate: 4Hz

Power supply: 2AA batteries 1.5V

Battery life: 250 hours

Dimensions: 126mm\*68mm\*23mm

Weight: 250g including batteries

Continuous product development may cause changes in the above information without notice.

**MiFLOW**[www.miflowmeter.com](http://www.miflowmeter.com)

ISO9001:2015

## MiFlowmeter Systems

**Flow Metering Experts**

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