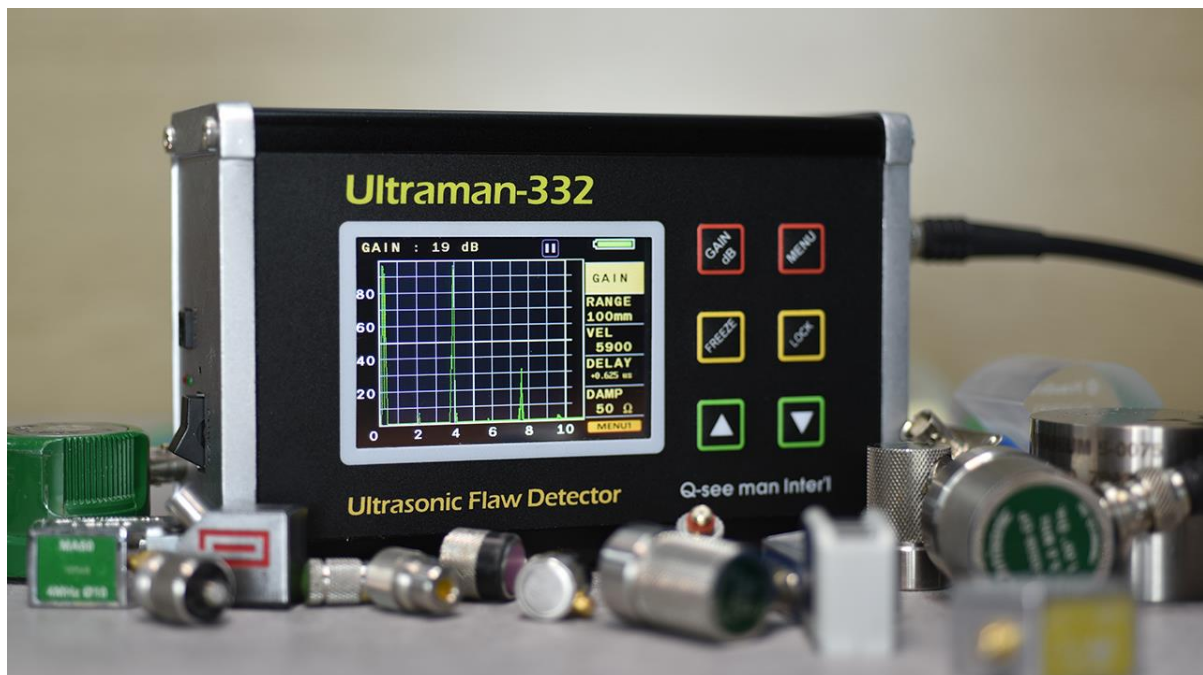


# Ultrasonic Flaw Detector Ultraman-332

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For a long time ultrasonic has been used to find a flaw in hard materials, thickness gaging or to characterize a material in industries. Even now ultrasonic is very useful tool to find crack, porosity, foreign matter, material thickness or characteristics.

Ultraman-332 ultrasonic flaw detector supplies 350 volts pulse voltage to a transducer which generates transmitting energy. The energy propagates to the test material and the returned energy is received to the transducer. When a discontinuity like crack, porosity is existed, a signal from the discontinuity is displayed on LCD. The height of the echo is proportional to the size of the flaw and the position of the echo represents a distance on x axis.

Ultraman-332 ultrasonic flaw detector combines excellent analog circuitry, digital conversion circuitry and operational software so that it displays clear and sharp waveforms with little noise. It was designed for easy portability and easy to carry. For power it uses rechargeable battery inside. In case the instrument is used for along time, AC adaptor or additional battery pack should be used.

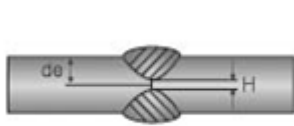
## Features of Ultraman-332

- Small and compact digital instrument
- Strong pulser with high voltage and high sensitivity receiver
- Many functions to meet various applications

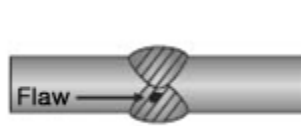
## Basic Configurations of Ultraman-332

- AC Adaptor    ● Carrying pouch    ● Ultrasonic couplant (50ml)
- AL carrying bag    ● Instruction Manual

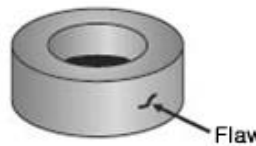
## Applications of Ultraman-332



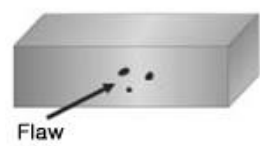
Detection of penetration depth in welding points of steel or metals using angle beam transducer



Detection of crack, slag, blow hole in carbon steel or stainless steel using angle beam transducer



Detection of crack, porosity in carbon steel or stainless steel using straight contact transducer



Detection of flaws in plastic or ceramic using straight contact transducer which is not complicate in shape

## Specifications of Ultraman-332

- Display : 480 x 320 3.5 inch TFT Color LCD
- Pulse Voltage : 50Ω 180V
- Damping : 50Ω, 100Ω
- Receiver Gain : 0 ~ 80dB
- Operating Temperature : -10 ~ 50°C
- Battery Life : Continuously 4 hours approximately
- Size : 105mm(H) x 172mm(W) x 68mm(D)
- Weight : 990g (including battery)
- Warranty : 1 year
- Pulse Rise time : 15ns
- Frequency Range : 0.5 ~ 10 MHz
- Connector type : BNC
- Power : 2 x Rechargeable Battery 18650



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