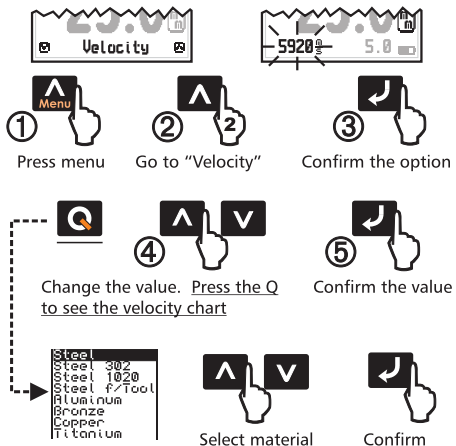


## Direct velocity adjustment



## Suggestions

- Use enough couplant
- Do not store with batteries for long periods of time
- Do not strangle and/or pull transducer cables
- Don't clean the unit with solvents or abrasive materials
- Don't expose to direct sunlight over long periods of time

## Technical specifications

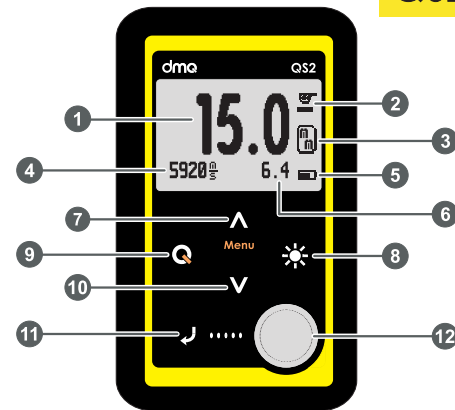
|                       |                                       |
|-----------------------|---------------------------------------|
| Measuring principle   | Pulse-Echo                            |
| Measuring range       | 1,0 a 500,0 mm                        |
| Units                 | Millimeters / Inches                  |
| Velocity range        | 100 a 19999m/s<br>3.937 a 787.3 in/ms |
| Resolution            | 0,1mm / 0,01in                        |
| Calibration block     | 6,4 mm                                |
| Measuring frequency   | 4 Hz                                  |
| Transducer frequency  | 5 Mhz                                 |
| V-Path correction     | Automatic                             |
| Battery type          | 2 type AAA                            |
| Battery life          | 100 hours                             |
| Operating temperature | -10°C a +50°C                         |
| Dimensions            | 69 x 115 x 28 mm                      |
| Weight                | 200g with batteries                   |

## Sound velocity table in m/s (in/ms)

|                               |                          |
|-------------------------------|--------------------------|
| Steel: 5920 (233.1)           | Copper: 4660 (183.5)     |
| Steel 304: 5660 (222.8)       | Bronze: 3500 (137.8)     |
| Steel 304: 5752 (226.5)       | Brass: 4430 (174.4)      |
| Steel 347: 5740 (226.0)       | Titanium: 6100 (240.2)   |
| Steel 1020: 5890 (231.9)      | PVC: 2395 (94.3)         |
| Steel 4340: 5850 (230.3)      | Plexiglass: 2730 (107.5) |
| Steel for Tools: 5870 (231.1) | Nylon: 2700 (106.3)      |
| Aluminum: 6320 (248.8)        | Glass: 5800 (228.4)      |



## Ultrasonic wall thickness gauge



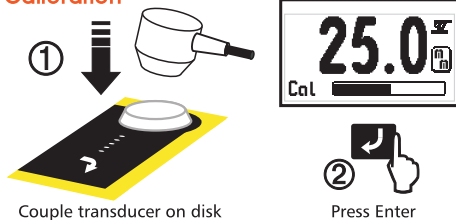
### Display

- Measure screen
- Coupling indicator
- Unit
- Sound velocity
- Battery level
- Minimum value

### Keyboard

- Up / Menu button
- Backlight button
- Power button
- Down button
- Calibrate / Enter button
- Calibration button

## Calibration

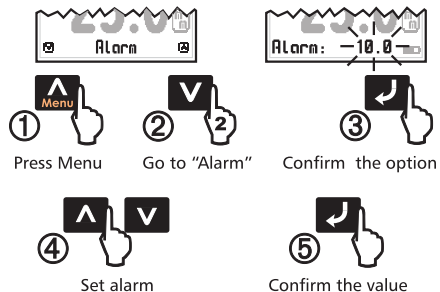


Couple transducer on disk

Press Enter



## Set Alarm (minimum)



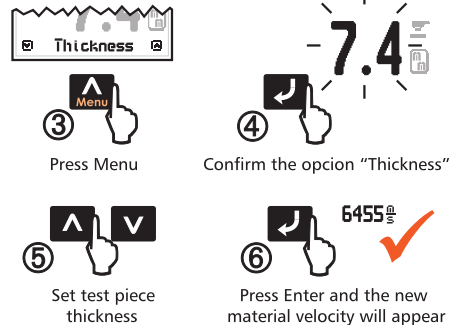
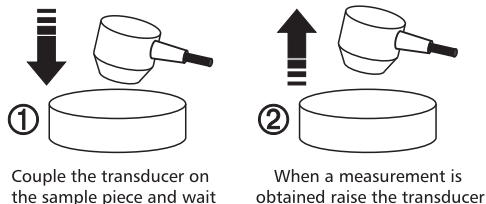
Press Menu

Go to "Alarm"

Confirm the option

## Calculate velocity based on thickness

This option allows you to calculate the sound propagation velocity of a test piece with a known thickness.



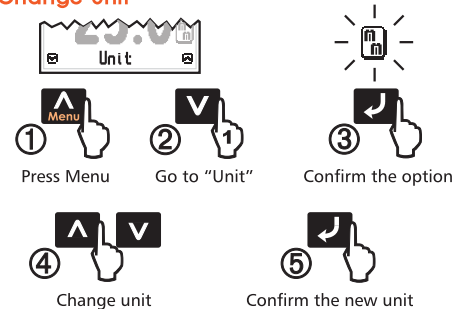
Press Menu

Confirm the option "Thickness"

Set test piece thickness

Press Enter and the new material velocity will appear

## Change unit



Press Menu

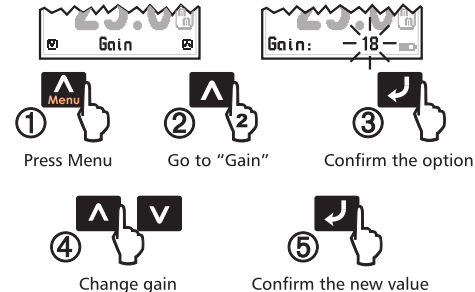
Go to "Unit"

Confirm the option

Change unit

Confirm the new unit

## Adjust Gain



Press Menu

Go to "Gain"

Confirm the option

Change gain

Confirm the new value