



Ultrasonic Velocity Gauges

Ultrasonic Velocity Gauges are used to determine material types based on their sound velocity and in the foundry industry you can determine cast iron types based on the relationship that exists between nodularity and sound velocity. Measurements require that you know the thickness of the test piece that can be entered manually or with the use of a digital caliper connected to the QSV.



Measuring range from
1 to 500mm



0.01mm resolution



Velocity from
100 to 19999m/s



Digital caliper
compatible ¹



Alarms



Minimum Value Hold



AUTO 1-step calibration
(no Cal Key)



USB for data transfer ²



**The best post-sale
support**



Memory for 5000
readings



**5 year limited
warranty ³**



1. Depending on the model.

2. Models with Datalogger. dmq DataCenter free of charge.

3. On the electronic unit.

Ideal for measuring...

Sound velocity to determine
material types

Determine cast
iron types

Relate acoustic wave velocities to
mechanical properties

Transducers



2MHz 90° transducer

Ideal for measuring materials with attenuation and/or large thicknesses.
Range 4 to 500mm | Temp. -10 a 40°C



5MHz Ø10mm transducers.

General use transducers.

90°: Range 1 to 300mm | Temp. -10 a 40°C

Straight: Range 1 to 300mm | Temp. -10 a 40°C

Digital Caliper Interface

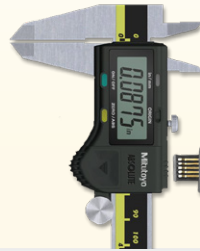
Interface connection cable is included for the following caliper ⁵ models choices:

5. The caliper is sold separately.



QSC001

C Interface conection
cable for Digital Insize®
caliper Eg: 1108-150 model



QSC002

CInterface conection cable
for Digital Mitutoyo® caliper
Eg: 500-171-20B model

Models

You can upgrade your instrument with licenses that allow you to upgrade by adding the model features and functions you need.



Models

QSV B

QSV DL

QSV DLC-I

QSV DLC-M



Data output



Caliper interface cable



InSize

Mitutoyo

DIMENSIONS



79 x 117 x 32mm
(3.11 x 4.6 x 1.26in)

WEIGHT



182g
(0.40lbs)

POWER



Battery: AA x2
Battery life: 60 hours ⁶

VELOCITY



100 to 19999m/s: 1m/s
(3.94 to 787.36in/ms: 0.04in/ms)

6. Display light off.

Ready to use

Delivered in a high impact carrying case where inside you will find:

- 1 Q53 electronic unit
- 2 5MHz transducer
- 3 Coupling gel
- 4 USB cable to connect to a PC⁷
- 5 Pendrive with dmq DataCenter software⁷
- 6 Digital Caliper Interface cable⁸
- 7 User manual
- 8 Certificate of conformity



7. QSV DL, QSV DLC-I and QSV DLC-M models.

8. QSV DLC-I and QSV DLC-M models.

dmq DataCenter

This is our acquisition software for Laptops & PC's that allows the user to receive, process, and export the data stored in our equipment with datalogger.

DataCenter is available for download at no additional cost.



Connect your equipment to a PC



Visualize your measurements



Graph your measurements



Analyze the information



Export to other apps



Generate reports



dmq DataCenter

Available for:  Windows XP / 7 / 8 / 10

<https://www.bergeng.com/>



QSV Series

Ultrasonic Velocity Gauges



dmq | Measure
+ Control



Your Complete Source for
Testing Equipment Since 1969!

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