

# Nodularity gauges

QSV Series

## Different models to meet your requirements

Ultrasonic Velocity or Nodularity 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.



## **Outstanding Features**

- Real time digital caliper readings in the unit display
- USB digital caliper interface
- Memory for 5000 + readings
- Transfer data to a PC via USB ( DL models )
- dmq DataCenter Software
- AUTO 1-step calibration ( no Cal Key )

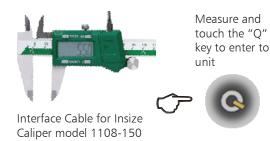
- High impact ABS enclosure with rubber sides
- Touch sense front panel ( no mechanical parts )
- Graphic LCD with LED backlight illumination
- Large 17mm tall digits for easy viewing
- Alarms
- Hold minimum value



## QSV Series

#### 4 Models

	QSV B	QSV DL	QSV DCI	QSV DCM
1-point AUTO calibration (no Cal key)	•	•	•	•
Manual thickness entry	•	•	•	•
Transfer values to a PC (Datalogger)		•	•	•
Insize ® digital caliper interface cable			•	
Mitutoyo ® digital caliper interface cable				•





Measure and touch the "Orange Button" on the caliper to enter to unit





Interface Cable for Mitutoyo Caliper model 500-171-20B

### **Technical Specifications**

Measurement		User Interface		
Normal range Resolution	1 to 500mm 0.01mm	Languages	English, Spanish and	
			Portuguese	
Velocity	100 to 19999 m/s	Navigation	Menus and Icons	
Velocity	1m/s	Electronic Unit		
Resolution		Dimensions	78 x 117 x 24 mm	
Calibration		Weight	180g with batteries	
Mode	1 point AUTO	Working Temp	-10° a +50°C	
Data Logger ( DL models )		Enclosure	High impact ABS with	
Capacity	5000 + Readings		rubber sides	
Organization	Up to 8 files with names	Power Supply		
Capture modes	Manual, Continuous	Batteries	2 x AA 1,5v	
Connections		Battery life	100 hours w/backlight off	
Data transfer	USB ( DL models )	Battery Indicator	Permanent	
Caliper	USB for Insize Digital	Shutdown	Manual or Auto	
Interface	Caliper	Display		
	USB for Mitutoyo Digital	Digit size	17mm tall	
	Caliper	Backlight	LED (On, Off, Auto)	
Front Panel		Contrast	Digital and adjustable	
Type	Touch-Sense	LCD	Graphic LCD 128 x 64 px	
Sensitivity	Adjustable			

### dmq DataCenter Software

DataCenter is a universal program developed by Demeq that is used to download and process data in models with a Data Logger (DL). Values stored in the unit memory can be transferred to a PC via USB and with the tools in DataCenter you can generate statistics, graphics, export values to other programs, and prepare custom reports.



#### Presentation

- QSV electronic unit
- 2 or 5 MHz transducer
- Coupling gel
- USB cable to connect to PC
- dmq DataCenter Software
- Printed user manual
- High impact carrying case
- Certificate of conformity



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