

FLUKE®

Vibration Meter

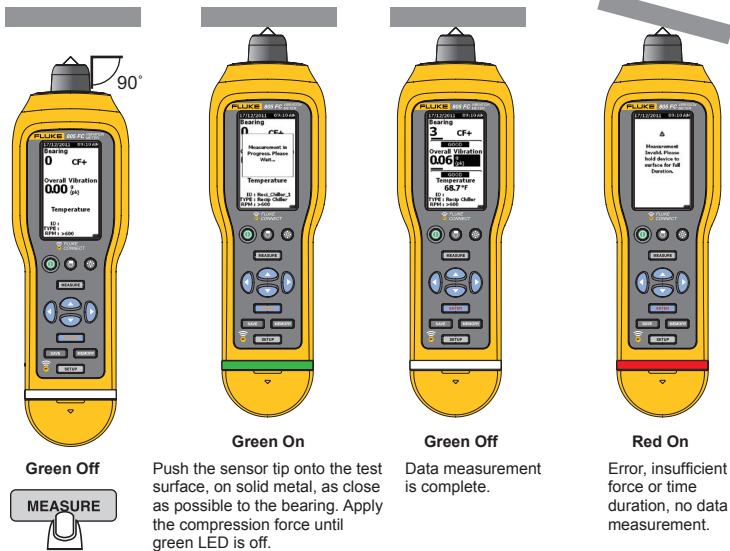
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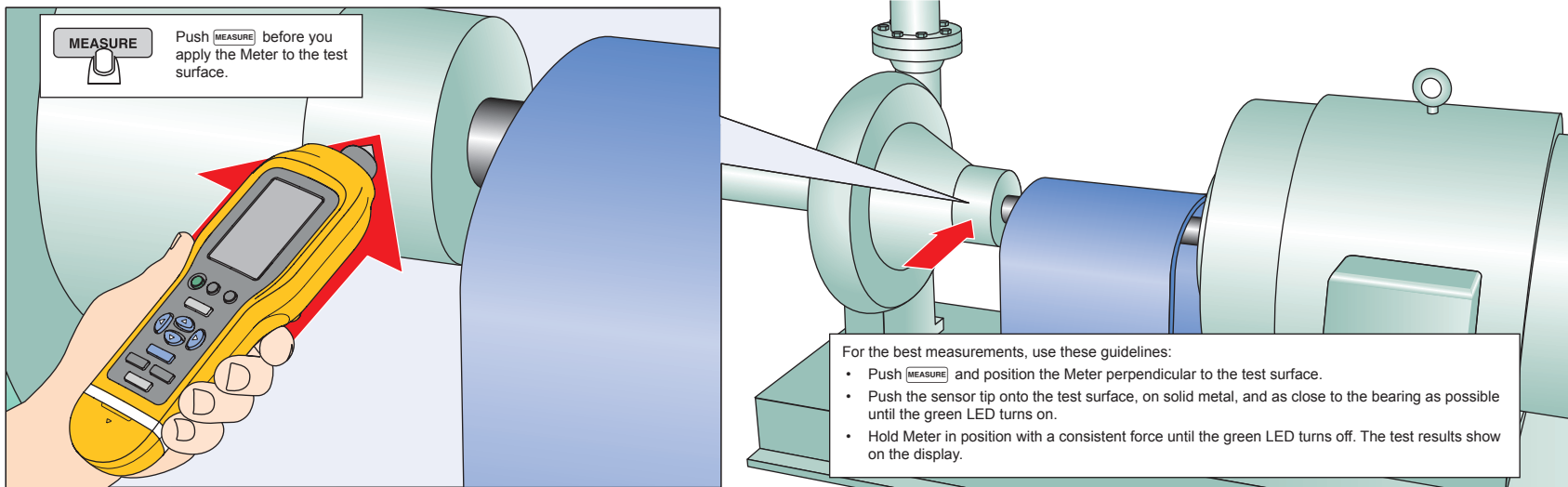
⚠ See the Users Manual for important safety information and a complete list of warnings for this product. To download the Users Manual, go to www.fluke.com.

Measurement Tips

LED Status



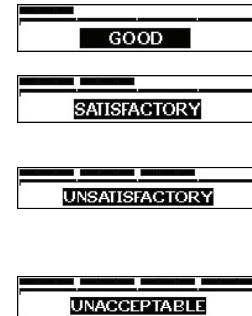
Sensor Placement



Vibration Severity Per ISO 10816-1

Vibration Velocity Vrms	Machine		Class I Small Machines	Class II Medium Machines	Class III Large Rigid Foundation	Class IV Large Soft Foundation
	in/s	mm/s				
	0.01	0.28				
	0.02	0.45				
	0.03	0.71		GOOD		
	0.04	1.12				
	0.07	1.80				
	0.11	2.80		SATISFACTORY		
	0.18	4.50				
	0.28	7.10		UNSATISFACTORY		
0.44	11.20					
0.70	18.00					
1.10	28.00			UNACCEPTABLE		
1.77	45.90					

Severity Scale



No repair action is recommended.

No immediate repair action is required. Increase the frequency of measurements and monitor the condition of the machine.

Have a knowledgeable vibration technician conduct more advanced tests at the earliest opportunity. Consider maintenance action at the next planned downtime or maintenance period.

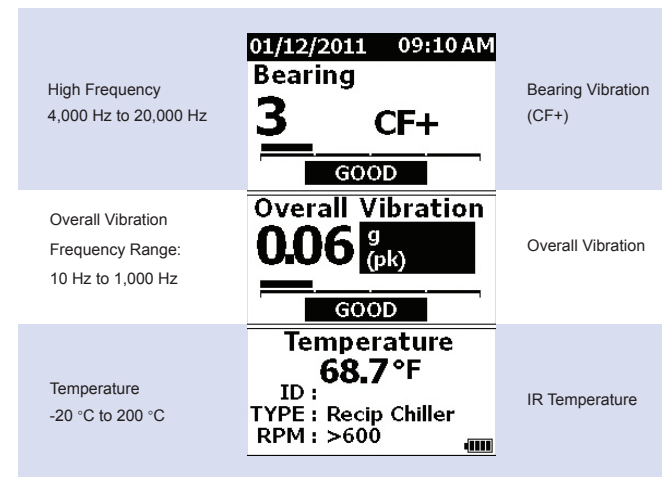
Have a knowledgeable vibration technician conduct more advanced tests as soon as possible. Consider immediate shutdown of the machine to make repairs and prevent failure.

Crest Factor + (CF+)

The Meter operates with a proprietary algorithm called Crest Factor + (CF+). To make interpretation easy for the user, the CF+ value shows a severity range. The higher the CF+ value is, the more the bearing damage.

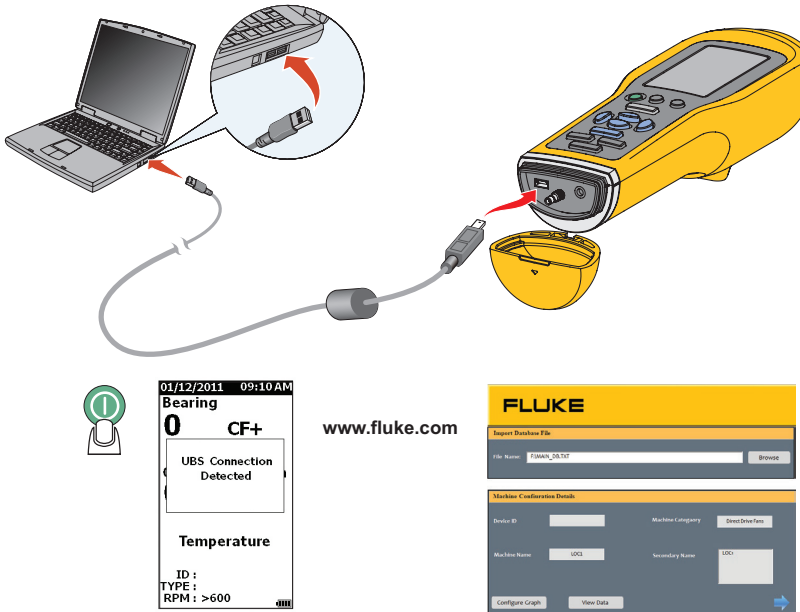
The CF+ value shows for each measurement in the Bearing field on the Meter display. Push **CF+** and **CF+** to toggle between the CF+ value and the high frequency vibration level in units of acceleration.

Meter Display



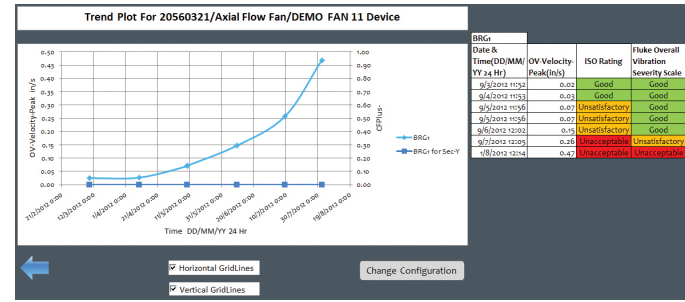
Data Transfer

Export Data



Trending

A custom Microsoft Excel template helps you to evaluate the measurements. To download the Trending template, go to www.fluke.com. See *Export Data* in the Users Manual for more information about the template and measurement plots.



Safety and Warranty

⚠⚠ Warning

To prevent possible electrical shock, fire, or personal injury:

- Carefully read all instructions.
- Do not touch hazardous voltages with the Product. These voltages could cause injury or death.
- Use the Product only as specified, or the protection supplied by the product can be compromised.
- Examine the case before you use the Product. Look for cracks or missing plastic.
- Make sure the battery is securely in position before operation.
- Do not use the Product around explosive gas, vapor, or in damp or wet environments.
- Comply with local and national safety codes. Use personal protective equipment (approved rubber gloves, face protection, and flame-resistant clothes) to prevent shock and arc blast injury where hazardous live conductors are exposed.

To prevent personal injury from the infrared thermometer:

- See emissivity information for actual temperatures. Reflective objects result in lower than actual temperature measurements. These objects pose a burn hazard.

To prevent personal injury when near rotating equipment:

- Use caution around rotating equipment.
- Keep cords and straps contained.

General Specifications

Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Storage Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operating/Storage Altitude	Sea Level to 3,048 meters (10,000 feet)

▲ For a complete list of specifications see the Users Manual.

LIMITED WARRANTY AND LIMITATION OF LIABILITY

This Fluke product will be free from defects in material and workmanship for one year from the date of purchase. This warranty does not cover fuses, disposable batteries, or damage from accident, neglect, misuse, alteration, contamination, or abnormal conditions of operation or handling. Resellers are not authorized to extend any other warranty on Fluke's behalf. To obtain service during the warranty period, contact your nearest Fluke authorized service center to obtain return authorization information, then send the product to that Service Center with a description of the problem.

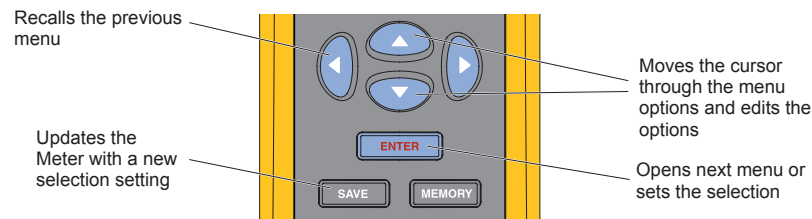
THIS WARRANTY IS YOUR ONLY REMEDY. NO OTHER WARRANTIES, SUCH AS FITNESS FOR A PARTICULAR PURPOSE, ARE EXPRESSED OR IMPLIED. FLUKE IS NOT LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, ARISING FROM ANY CAUSE OR THEORY. Since some states or countries do not allow the exclusion or limitation of an implied warranty or of incidental or consequential damages, this limitation of liability may not apply to you.

Fluke Corporation P.O. Box 9090 Everett, WA 98206-9090 U.S.A.	Fluke Europe B.V. P.O. Box 1186 5602 BD Eindhoven The Netherlands
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Before You Start

Navigation

For general operation:

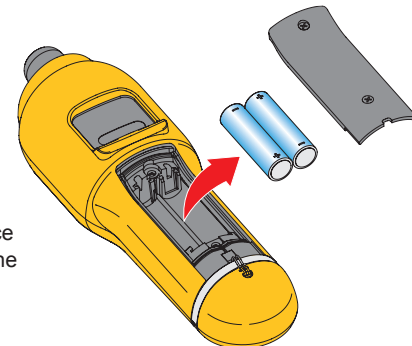


Each menu has navigation hints for its content at the bottom of the screen.

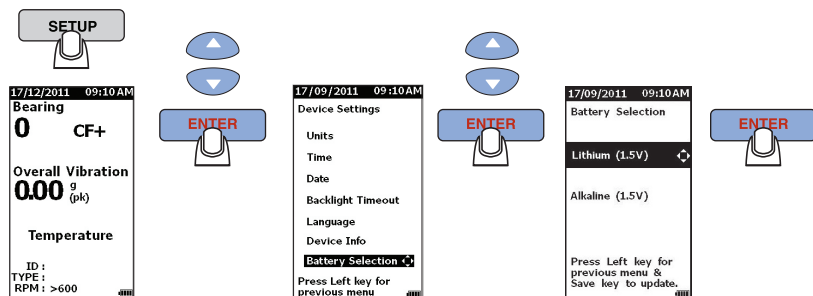
Battery

Before the Meter operates for the first time, install the new batteries included with the shipment.

Note
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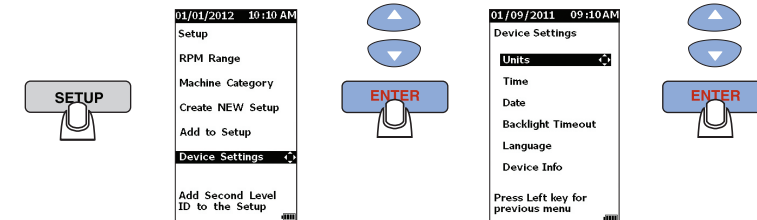


The Meter does not include a rechargeable function.  shows on the display when battery power is low. Replace the batteries before you continue to use the Meter.

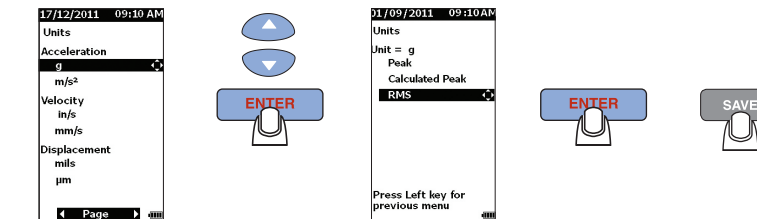


Meter Configuration

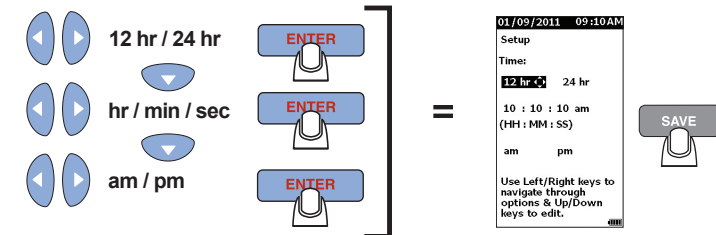
Setup Menu



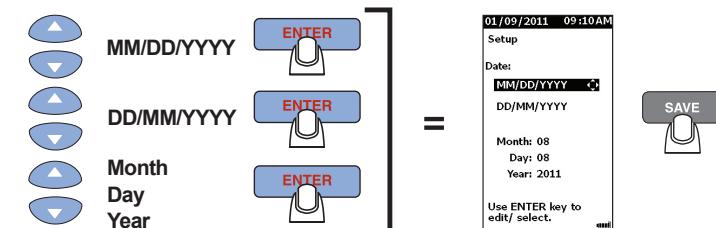
Units



Time

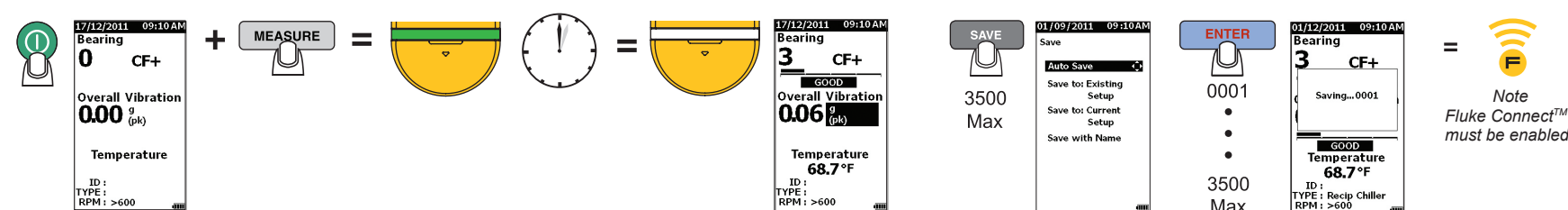


Date

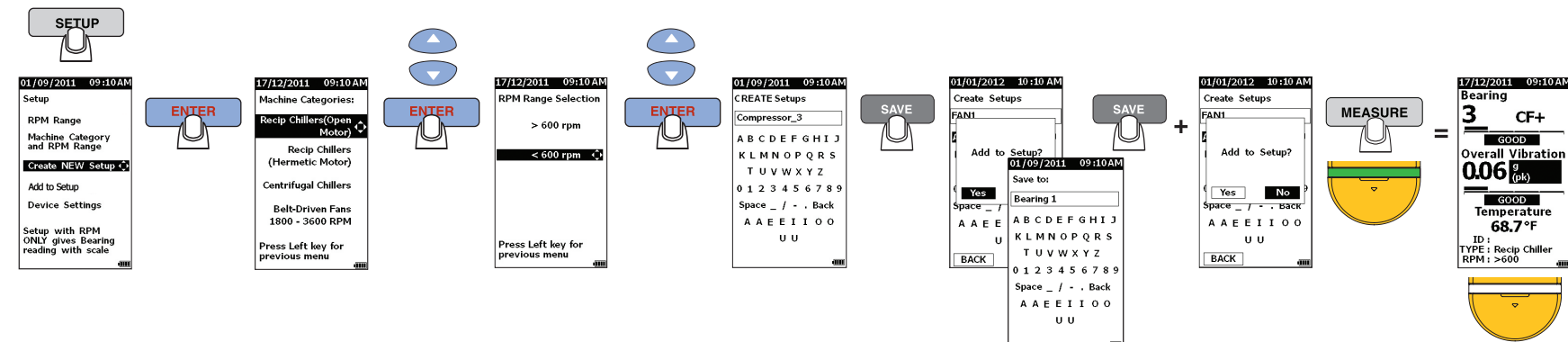


Measurements

Quick Measurement



Create New Setup



Save to Existing Setup

