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A trusted leader in measurement and calibration solutions.

M1004 Digital Calibrator & Sensors

Quick Start Guide

First things first	Carefully equalize the pressure	Know your batteries	Learn the function keys	The keys from left to right
General purpose use only	To avoid damaging <i>differential sensors:</i>	The calibrator is powered by four 1.5 volt AA size batteries.		1. Backward
M1004 Digital Calibrator This digital calibrator is not intended for hazardous locations.	 Make sure you are connecting to the correct pressure port on DN or DI differential pressure modules. 	 Never mix batteries—not by manufacturer or by size, by capacity, or by chemistry. 		 Home Forward Units Release Hold
	1. P1 port is high pressure.	Never mix old and new batteries.		 6. Hold 7. Up arrow
	2. P2 port is low pressure.	• Remove all four batteries in the calibrator at the same time.		8. Left arrow 9. Zero
Steps to get started	 Apply pressure to both differential ports (P1 and P2) at the same time. 	 Replace all four batteries with batteries from the same package or with the same expiration date. 		 10. Right arrow 11. Down arrow 12. Cancel or X
Make a connection		Install the batteries		or Esc 13. Accept or √
 Attach the pressure fittings to the pressure sensor module. 		 Turn over the calibrator so the display faces down. 		14. Power 15. Information 16. Backlight
 The threads should be coated with a pipe sealant compound before installation. Tighten to finger tight plus 1.5 turns to 3 turns using a 19 mm (³/₄ in.) wrench on the 		 Remove the two screws on the battery cover with the Phillips head screwdriver by turning them counterclockwise. 		
manifold. NOTICE Use only a wrench on the fitting and the manifold.		 Insert four AA batteries. Note: Pay attention to the positive (+) and negative (-) battery polarity markings at the bottom of the compartment. 		
		4. Replace the battery cover. To secure the cover, torque the screws clockwise 2 in. lbs. maximum.		

Frequently Asked Questions

FAQs	FAQs	FAQs	FAQs
How often is a new pressure measurement displayed?	What does the Zero (Ø) key do?	How long does the white backlight stay on after the Backlight key is pressed?	How long will the calibrator remain on if I leave it unattended?
The digital calibrator display updates with a new pressure measurement five times per second.	 Home If the sensor is within a tolerance band around zero, press and hold the <i>Zero</i> key to zero the pressure measurement and to reset the Min 	 The white backlight has an automatic timeout. If no keys have been pressed, the backlight automatically turns off after 20 seconds. 	• 30 minutes.
What are the different Display functions	and Max measurements.		How to contact us
on the digital calibrator?	 Note: The tolerance band is approximately ± 1% of the Full Scale pressure value of the 	What does the bar graph at the top of the display indicate?	Contact Sales
The digital calibrator ships with all six functions	sensor.		If you have any issues, questions, or suggestions,
	 Absolute sensors have additional functionality. 		
	In Min or Max mode	 Full Scale. However, when the battery percentage is displayed, the bar graph follows the large digit display in indicating the remaining state of charge for the batteries. 	methous.
	 Press and hold the <i>Zero</i> key to reset the Min 		<u>sales@meriam.com</u>
	zero the pressure measurement.		
6. RESPAN TAP ✓ TO BEGIN	In Average mode		<i>Meriam</i> [®]
	 Press and hold the Zero key to restart the 	What does low battery indicator mean?	10920 Madison Ave
	rolling average.		Cleveland Ohio 44102 USA
backlight flashes?			
			+ 1 216 281 1100
		outline of the icon flashes.	
			www.meriam.com
	the zero process.		(900) 917 7940
	Why are the available units different		(800) 817-7849
 Pressure has fallen below the stated lower 	between a 15 psi and 3000 psi sensor?		
 The red backlight overrides the white backlight. 	If a given measurement unit cannot display the		
 active. They are listed below. 1. <i>Home</i> (default) 2. <i>MIN</i> (Minimum) 3. <i>MAX</i> (Maximum) 4. <i>AVG</i> (Average) 5. <i>FACTORY CAL TAP √ TO RESTORE</i> 6. <i>RESPAN TAP √ TO BEGIN</i> <i>What does it mean when the red backlight flashes?</i> The flashing red backlight indicates an error condition. Possible error conditions are: Pressure has exceeded the stated upper limit of the sensor(s). Pressure has fallen below the stated lower limit of the sensor(s). 	 sensor. Absolute sensors have additional functionality. In Min or Max mode Press and hold the Zero key to reset the Min and Max measurement. However, this does not zero the pressure measurement. In Average mode Press and hold the Zero key to restart the rolling average. Holding the Zero key The key must be held to perform the Zero mode. The displayed value(s) dashes out during the zero process. Why are the available units different between a 15 psi and 3 000 psi sensor? 	 The bar graph displays a live indication of the current pressure applied to the sensor as a % of Full Scale. However, when the battery percentage is displayed, the bar graph follows the large digit display in indicating the remaining state of charge for the batteries. 	If you have any issues, questions, or suggestion please contact us using one of the following methods. <u>sales@meriam.com</u> <i>Meriam</i> ® 10920 Madison Ave