

WIRELESS COMMUNICATION

Radio Menu Allows for enabling of the radio interface as well as control over the measurement update rate.

- a. To Enter Radio Menu
 1. Press and Release **2ND**
 2. Press and Hold **HOLD**
 3. You will see radio displayed
- b. To Exit Radio Menu
 1. Press and Release **ON/CLR** or **OFF**

Enable Radio / Set Update Rate (off, 0, 0.5, 1, 5)

The update rate is how often the measurement is transmitted over wireless in Hz.

Off – Will Disable the radio

0 – Will Disable automatic Transmission (Only Sent with DATA Button)

0.5 Hz – Update Every 2 Seconds

1 Hz – Update Every Second

5 Hz – Update 5 Time/Sec

Radio Menu

- a. Configure Radio (In Radio Menu)
 1. Press and Release **change (TOL)** to Cycle
 2. Press and Release **apply (HOLD)** to Enter (Or Wait 5 Seconds)
- b. Disable Radio
 1. Repeat Steps Above and Select Off

Wireless Icon

The wireless icon will indicate the state of the radio.

Off – Radio is Disabled

Blinking – Indicates Radio is Enabled and Not Connected to a Device

Solid – Radio is Enabled and Connected

Icons



Lock Functions and Features

Cable Connection

Battery Warning

Wireless Data

Rex Durometer – Made in the U.S. A. Since 1942

FORM NO. 080822DD4W

The image shows the front cover of the 'Rex Durometers Operation Manual'. At the top left is the 'Rex DUROMETERS' logo. To its right is the title 'OPERATION MANUAL' in large, bold, black letters. Below the logo is a circular seal that says 'CERTIFIED SPACE TECHNOLOGY'. The central focus is a photograph of a Rex Durometer gauge. The gauge has a black body and a silver-colored face. The digital display shows the number '59.5' with a '2' above it. To the left of the display are icons for a sand timer and a wireless signal, with the text 'FRZ' below the wireless icon. Below the display is a control panel with several buttons: 'DATA', '+ / -', 'RES', 'HOLD', 'IN mm', '2 ND', 'TOL', 'ON/CLR', 'OFF/MODE', and 'AUTO/OFF'. Below the buttons, it says 'MADE IN USA'. At the bottom of the cover, there is text: 'For more information visit our Web Site at durometer.com', 'REX GAUGE COMPANY LLC', and two phone numbers: '847/465-9009' and '800/927-3982'.

DUROMETER OPERATING INSTRUCTIONS

To operate the durometer, press the foot of the gauge firmly against the specimen, but not so firmly as to imbed the foot into the surface. This will yield the durometer reading.

PRIMARY BUTTON FUNCTIONS

ON/CLR	Powers durometer on. Zero / clears reading. a. To Power Durometer On: Press and Release ON/CLR b. To Clear / Zero Display: Press and Release ON/CLR when LCD is on (Zero in release on button)
OFF	Powers off. a. To Power Durometer Off: Press and Release OFF (Value and settings are not lost when durometer is off)
HOLD	Toggles HOLD on and off. a. To Toggle HOLD On and Off: Press and Release HOLD
2ND	Enables 2 ND Functions (DATA) and 3RD Functions (LOCK)
TOL	Toggles TOL (Tolerances) on and off. a. To Toggle TOL On and Off: Press and Release TOL If no tolerances are programmed, a large tol will be displayed and both the LOW and HI icons will flash. b. To Program LOW and HI Tolerances: Toggle TOL On (Step A). Press and Hold TOL until HI is flashing and release TOL . Use <i>move</i> (2 ND), <i>change</i> (TOL), <i>apply</i> (HOLD) to program HI tolerance. <i>Move</i> (2 ND) scrolls flashing icon left to right. <i>Change</i> (TOL) toggles value of flashing icon. <i>Apply</i> (HOLD) stores value HI or LOW. c. When the value is out of tolerance the numbers will flash and the LOW or HI will flash. If the LEDs are turned on, the green or red LEDs will flash for 2 seconds when in tolerance and 4 seconds when out of tolerance. d. To Disable / Enable LEDs for TOL: USE the Following 3 Button Sequence 1. Press and release 2 ND 2. Press and Release ON/CLR 3. Press and Hold TIMER Until Display Changes (All On, Off, DATA or TOL will be displayed) Use <i>change</i> (TOL) to scroll All On (LEDs will flash when using the TOL and DATA), Off (turned off for both TOL and DATA), TOL (turned on for tolerance only), DATA (turned on for DATA only). Use <i>apply</i> (HOLD) to store desired setting. <i>Note: Factor reset: Press and Hold ON/CLR and OFF simultaneously until RESET appears on LCD.</i>
TIMER	Toggles TIMER on and off. a. To Toggle TIMER On and Off: Press and Release TIMER <i>Note: FRZ will show on the display when timer is activated.</i> b. To Set Timer 1. Press <i>move</i> (2 ND) 2. Press <i>change</i> (TOL) Until Desired Time is Entered (1-30 Seconds) 3. Press <i>apply</i> (HOLD) to Save <i>Note: A count down will appear at the lower right side of the display when performing tests in timer mode. For any time intervals higher than 9 seconds, the 9 will flash until 9 seconds is reached.</i>

2ND BUTTON FUNCTIONS

DATA	Send data through cable, wireless radio module, or stored readings in durometer. a. To Send Data or Store Readings 1. Press and Release 2 ND 2. Press and Release HOLD Cable: If cable is connected, the data will be sent through the data output cable. For 1 second DATA icon will appear. <i>Note: USB Data Cable G13-0055 - Sold Separately</i> Wireless: If wireless output is enabled, the durometer reading will be sent by wireless output. For 1 second DATA icon will appear. Stored Reading: With no cable connection and wireless not enabled, readings will be stored in durometer. For 1 second DATA icon will appear. <i>Note: A computer can also request readings and you can setup the durometer to automatically send readings over wireless.</i> b. To View Stored Readings: 1. Press and Release 2 ND 2. Press and Release ON/CLR 3. Press and Release HOLD . DATA Icon Appears on LCD 4. Press and Release <i>move</i> (2 ND) 5. Repeat step 4 to scroll readings. The newest to oldest reading is displayed. To Clear Stored Readings: Press and Hold ON/CLR To Exit Stored Readings: Press and Release HOLD
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3RD BUTTON FUNCTIONS

LOCK	Locks Buttons/Functions/Settings. 3 button push can disable / enable lock. 3 digit lock Combination can be entered for additional security. a. To Enable / Disable Lock 1. Press and Release 2 ND 2. Press and Release ON/CLR 3. Press and Release TOL A Lock Icon Appears on LCD b. To Program Lock Combination 1. Press and Release 2 ND 2. Press and Release ON/CLR 3. Press and Hold TOL Until 000 Appears and SET is Flashing Use the <i>move</i> (2 ND), <i>change</i> (TOL) and <i>apply</i> (HOLD) to program 3 digit combination. <i>Move</i> scrolls flashing icon from left to right. <i>Change</i> toggles the value of the flashing icon. <i>Apply</i> enters 3 digit combination. Enable functions you want to use before locking durometer. Example: Using MAX HOLD, Turn the Max hold on before you lock. Lock function will lock out all functions that are not turned on. Functions that cannot be locked include OFF, ON, ZERO. <i>Note: Master Combination 285 (If Combination is Lost)</i>
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