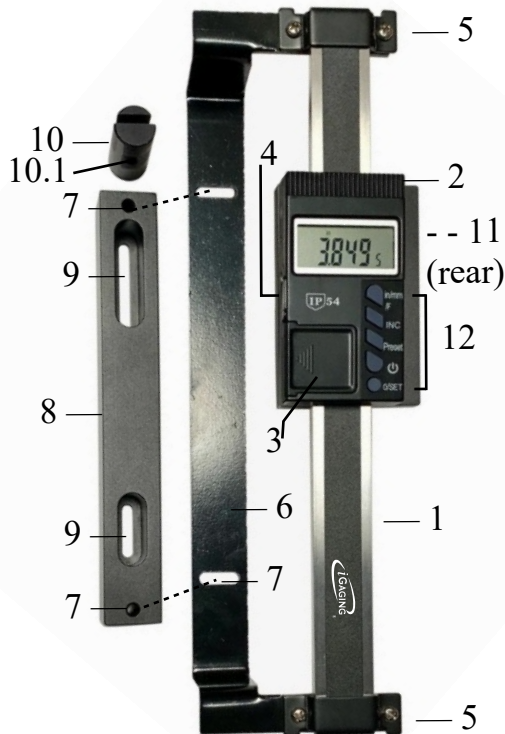


IP54 Digital Scale Milling Machine Quill Kit

User's Manual



Description

- | | |
|-----------------------------|---|
| 1. Scale | 2. Digital Display |
| 3. Battery Compartment | 4. Micro USB Power Port |
| 5. Scale Bracket (2 pieces) | 6. Mounting Bracket |
| 7. Mounting screw hole | 8. Mounting Base |
| 9. Mounting Base hole | 10. Quill Bar 10.1 Quill Bar Screw Hole |
| 11. Display Back Plate | 12. Function keys |

Function Keys

- in/mm/F: switch amount inch, mm, and inch fractional reading
- INC: Press once to enter incremental model, press again to disable
- Preset: Preset a number value (see Preset Setting below)
- ON/OFF: Press to turn on or off the digital display
- 0/Set: set zero when Preset value note been set; set to Preset value when Preset value be registered.

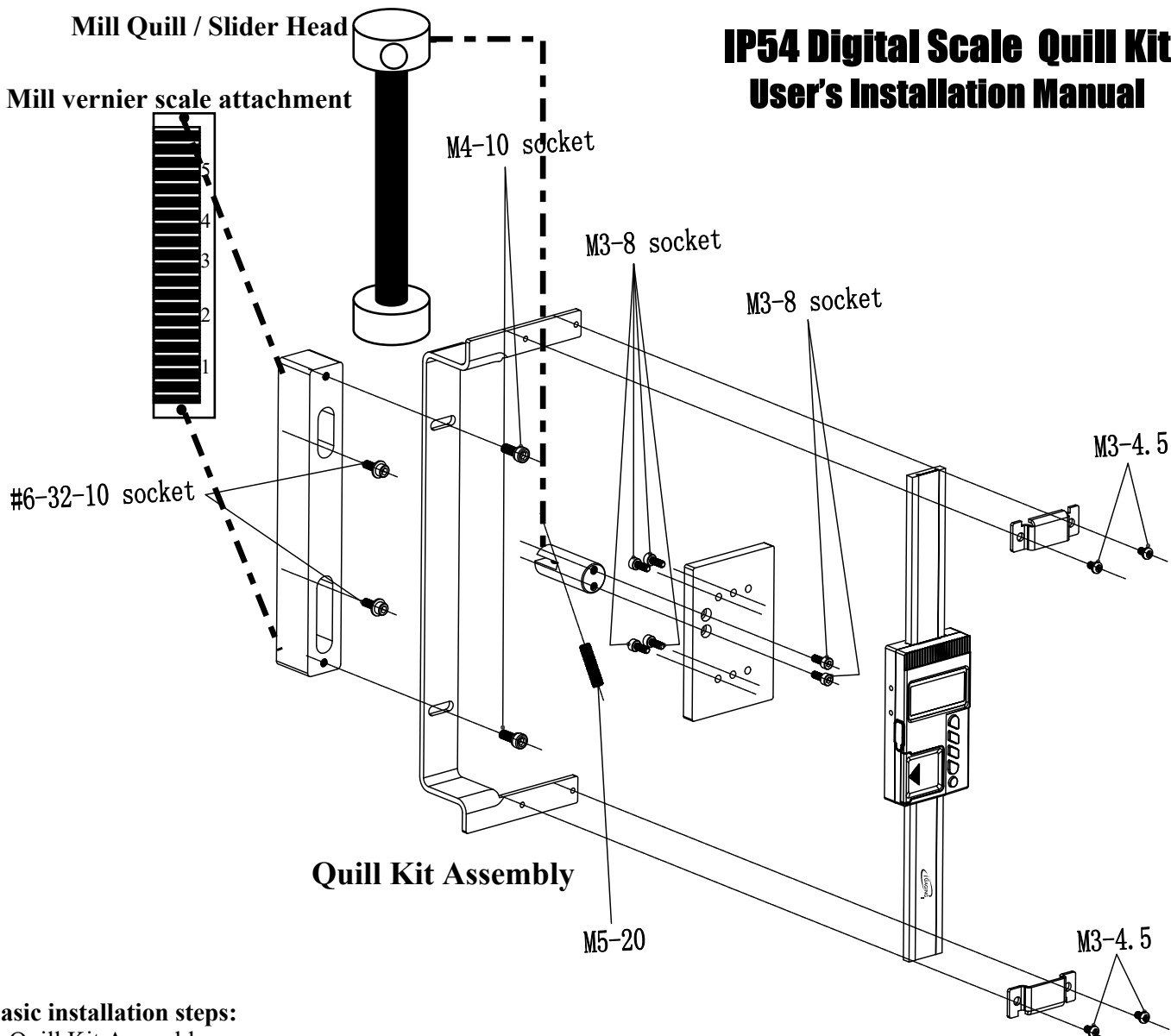
Digital Scale:

- Measure range: 0-6" Resolution: 0.0005"/0.01mm
- Accuracy: 0.001"/0.02mm Protective rating: IP54
- Battery: 3V CR2032

Preset setting

1. Turn on the Digital Display by pressing : ON/OFF
2. Select a desired reading unit by pressing in/mm/F key.
3. Long press (3 seconds) the Preset key, "SET" & "-"(negative) sign on the display will flash.
 - 3.1 Long press the Preset key to preset the first digit "-"; "-" will flash; short press (press and quickly release) the Preset key; if desired, short press once the "-" will diaper for positive value.
 - 3.2 Long press again to move to the next digit, which is a number digit, the digit will flash. Short press the Preset key to switch value between 0 to 9.
 - 3.3 Repeat this process for every digit; if value no change, long press Preset to move on to the next digit.
 - 3.4 After the last digit on display is been preset, long press the Preset key. "SET" will flash; short press the complete and exit the Preset setting.
 - 3.5 At any position, press 0/set key, Digital Display will display the presetted value.
 - 3.5 After battery replacement or when preset value need to changed, repeat the Preset setting steps to set value.

IP54 Digital Scale Quill Kit User's Installation Manual



Basic installation steps:

1 Quill Kit Assembly:

- 1.1 Attach the Quill Bar to the back of the Display Back Plate using the 2 M3-8 Socket screws provided.
- 1.2 Attach the universal fit Display Back Plate to the Digital Display unit using the 4 M3-8 Socket screws. Make sure to use the 4 best hole position possible.
2. Attach the digital scale to the Mounting Bracket using the 2 Scale Brackets and 4 M3-4.5 crews.
3. Mounting the Quill Kit to the Mill
 - 3.1 Retract spindle all the way, and remove the quill wheel.
 - 3.2 Remove mill vernier scale screws; when space allow, do not remove the vernier scale.
 - 3.3 Place the Mounting Base over the vernier scale, and temporarily put in #6-32-10 socket screws without tightening (different sizes of screws maybe needed depending on the original screw holes, these screws can be found at local hardware stores).
4. Place the Quill Kit Assembly to the base using 2 M4-10 socket screws provided.
 - 4.1 Make sure the Quill Bar is fitted in the Mill Quill / Slider Head without tightening it down (temporarily).
 - 4.2 Make adjustment amount the mill, Mounting Base, and the Quill Kit assembly.
 - 4.3 After making sure everything is aligned, temporarily remove the Quill Kit; tightening down the Mounting Base to the Mill.
 - 4.4 Double check the Quill Kit Assembly's parallelism to the spindle, then tighten it down to the Mounting Base.
5. Tighten the M5-20 screw on the back of the Quill Bar. To make accuracy adjustment, push or pull Quill/Slider Head before tightening Quill Bar Screw.
6. Reinstall the Quill Wheel.
7. Thoroughly test the whole unit before running the machine.