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Student Experience 11A: Kestrel 3000 User Sheet

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Kestrel® 3000 User Sheet

1. Slide off cover.

2. To turn on, hold down middle button.

3. Select operating mode;
   (Press right arrow to scroll through, instantaneous measurements will be displayed)
   - Current Wind speed
   - Max Wind speed since turning on
   - Average Wind speed since turning on
   - Temperature
   - Wind Chill (combination of wind speed and temp)
   - Relative Humidity
   - Heat Stress (effect of temperature on animals at high temperatures due to humidity)
   - Dew point (moisture content in air) \(\text{If temp} = \text{dew point, dew is produced.}\)

4. Selecting units of measurement;
   Press right arrow while holding middle button to scroll through units. The available units will be different for each type of measurement

   For example, wind speed can be recorded in…
   - \(\text{M/s}\) meters per second
   - \(\text{Ft/m}\) feet per meter
   - \(\text{Km/h}\) kilometers per hour
   - \(\text{Mph}\) miles per hour
   - \(\text{Kt}\) knots
   - \(\text{B}\) Beaufort force

5. Hold mode
   Press left arrow while holding middle button to hold the measured value on the display. HOLD will flash.
   This is useful for taking measurements when you are unable to view display.

6. To turn off: hold middle button for 2 seconds.