

## Current & Ripple Measuring (Ultra)

This is only available on the IBEX-Ultra model and is used in measuring DC current and ripple current or percent.

To use this function, connect the clamp meter (PRON-4400) leads to the IBEX-Ultra, and polarity and color should be corrected.

1. Press the <ENT> button to CURRENT & RIPPLE ICON in the UTILITY menu (Figure 31).
2. After selecting the CURRENT & RIPPLE ICON, then you can see the value of DC current and ripple current (Figure 32).
3. Put the rotary switch to 'DCA' on PRON-4400, and press <CAL/del> button for zero-point calibration on IBEX-Ultra.
4. Hang the clamp arm of PRON-4400 with desired measurement position/power line.

If the 'CHECK POLARITY!!' message appears, polarity is reverse-connected and needs to be corrected.

5. During measurement, press the <<> button, and then you can check 20ms WAVEFORM. (Figure 33). If you want to move back to Figure 32, press the <ESC> button.
6. During measurement, press the <>> button, then you can check the graph of frequency analysis (FFT). The graph indicates harmonic contents of 60Hz/50Hz commercial frequency (Figure 34). If you want to move back to Figure 32, press the <ESC> button.
7. After measurement is complete, press <ESC> button, then you can move to the UTILITY menu (Figure 31).

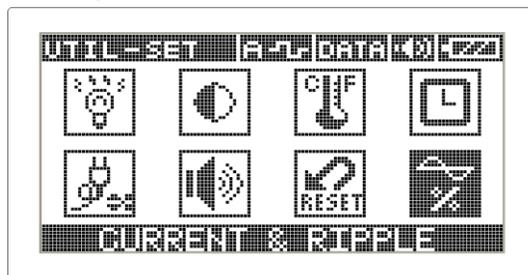


Figure 31 Utility

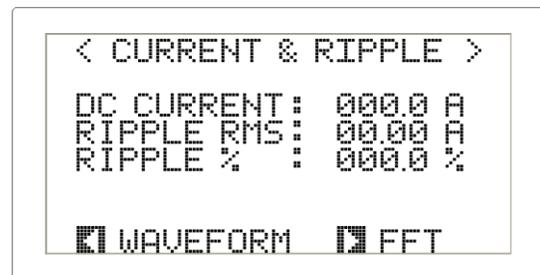


Figure 32 Current & ripple

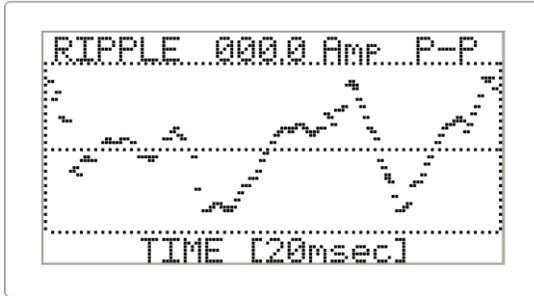


Figure 33 Ripple waveform

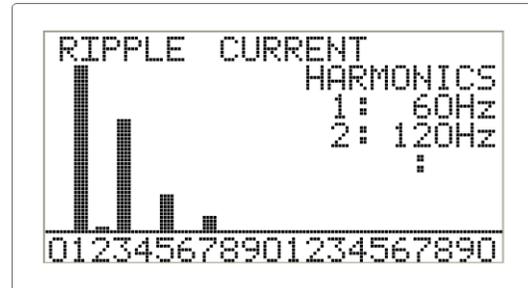


Figure 34 Ripple FFT