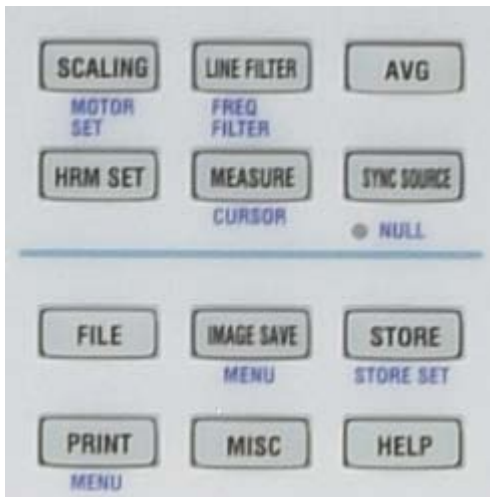# WT1800

PRECISION POWER ANALYZER
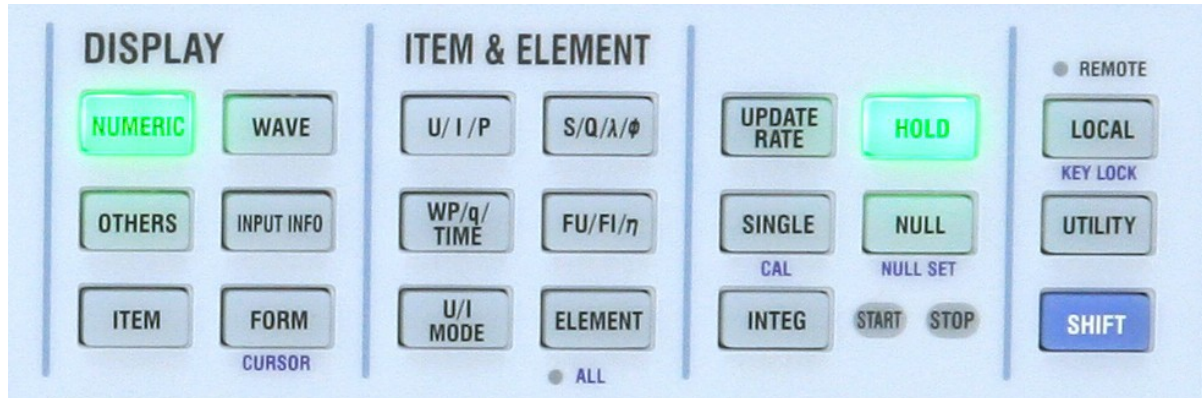

Inrush Current
Measurement Tutorial

SETTING THE COMPUTATION FUNCTION

1. Press the **MEASURE** button
2. Press the **User Defined Function** soft key
3. Turn **Function 1, Function 2,** and **Function 3 ON**
4. Set the **Expression** for **Function 1** to **IPPEAKMAX(E1)** for Element 1
5. Set the **Expression** for **Function 2** to **IPPEAKMAX(E2)** for Element 2
6. Set the **Expression** for **Function 3** to **IPPEAKMAX(E3)** for Element 3
7. Press the **Max Hold** soft key to turn the maximum hold function ON
8. To reset the **IPPEAKMAX** function, turn **Max Hold OFF** and then **ON** again

SETTING NUMERIC DISPLAY ITEMS

1. Press **[NUMERIC]** display button. The default is 4 numeric items.
2. Continue pressing **[NUMERIC]** until **16 items** are display
3. Press **[ESC]** to clear
4. Press **[ITEM]** button
5. Press the **Item No.** Soft Key. Use the Cursor Arrow keys to highlight the Item Number to be changed
6. Press **Function** Soft Key to display the complete Item List. Use the Cursor Arrow keys to highlight **User Func F1, F2,** and **F3**.
7. Press **[SET]** to select the item
8. Setup the Numeric List so that it matches the screenshot below.
9. Press **[ESC]** to clear menu

Inrush Current Measurement, Imax [IPPEAKMAX()]

- **Urms** is the voltage measurement function
- **I+pk** is the positive peak current measurement function
- **P** is the active power measurement function
- The User Defined Function **IPPEAKMAX()** measures the maximum peak current, but has been renamed to **Imax**. You may edit the function title to whatever you want.