

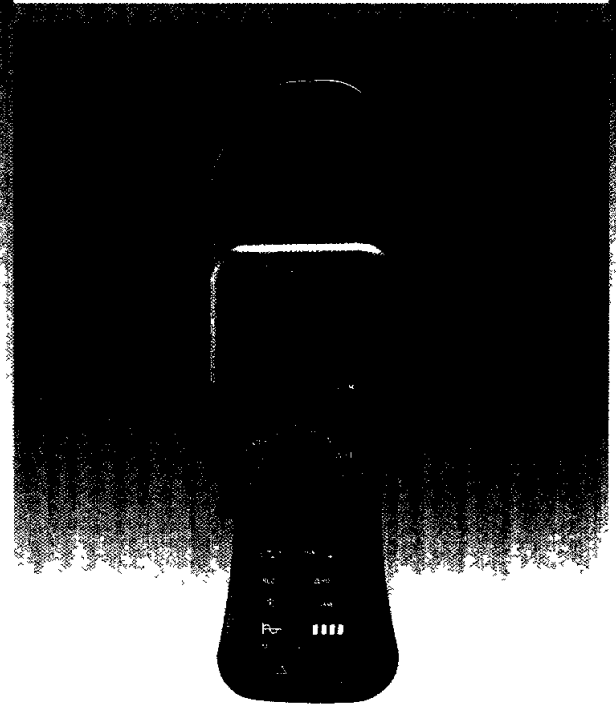
100-262

Analyst 2050

True RMS Clamp-on Power Meter

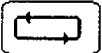
POWER CLAMP OSCILLOSCOPE DATA LOGGER

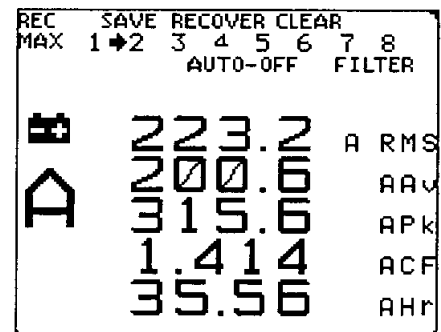
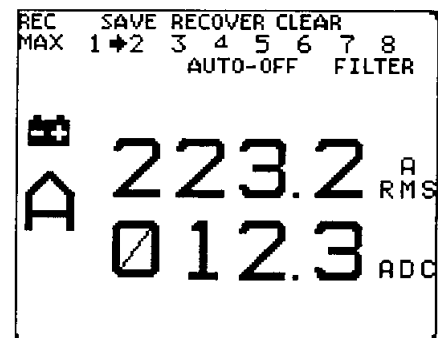
- *W, VA, VAR, kWhr and power factor measurement, even for distorted waveforms*
- *AC and DC clamp on current measurement up to 2000A*
- *TRMS, Peak, Crest Factor, THD and Frequency for current and voltage*
- *Large backlit display for oscilloscope mode and multi parameter display*
- *Internal data logging of up to 5 parameters for 24 hours*
- *8 data set memory and min, max, average recording*
- *Built in 3 phase power capability for balanced loads*
- *IEC1010 Cat IV for enhanced safety in hazardous voltage areas*





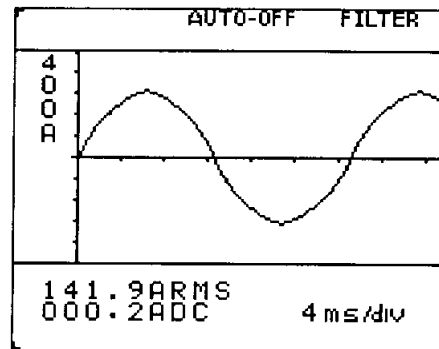
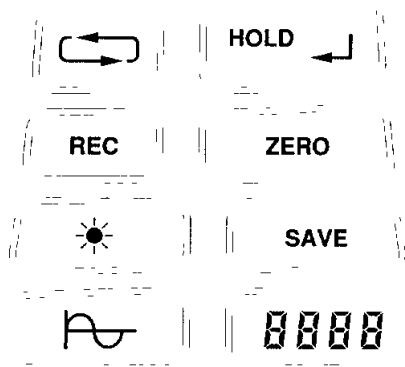
ANALYST 2050 - HOW TO ROTARY SWITCH


- Selects either V, A, Hz, W, W3 Phase
- First Screen gives 2 key parameters
- Use the top left hand key to alternate between first and second screens 
- Second screen gives up to 5 parameters





| Setting | Screen 1 | Screen 2 |
|---------|--------------------|--------------------------|
| V | Vrms, Vdc | Vrms, Vav, Vpk, VCF, VHz |
| A | Arms, Adc | Arms, Aav, Apk, ACF, AHz |
| Hz | V/Arms, Hz | THD%, HzF0 |
| W | VA, W, VAR, PF, Hz | Vrms, Arms, W, WHr, PF |
| W30 | As Watts | As Watts |

KEY PAD SELECTIONS



- Easy access to second level functions through individual keys
- Positive beep on function selection
- Press  for scope
- REC - gives min,max, zero
- Save - stores up to 8 screens in memory

| | | |
|------|-----------|-------|
| SAVE | RECOVER | CLEAR |
| 1 | 2 3 4 5 6 | 7 8 |

Use the  key to move the cursor and the **HOLD**  key to select either SAVE, RECOVER or CLEAR Repeat this process to select one of the SAVE locations from 1 to 8

- Zero - for Amps auto zero



HIGHER LEVEL FUNCTIONS - SETUP

| | |
|------------------------|--------------|
| CONTRAST | XXXXXXXX |
| AUTO POWER DOWN | ON or OFF |
| RANGING | ON or OFF |
| LOW PASS FILTER | ON or OFF |
| PF DISPLAY | DEG or COS Ø |



SELECT



CHANGE

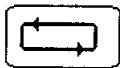
- Contrast can be adjusted to suit lighting conditions
- Auto power down is automatically disabled when logging and in REC mode
- Low Pass Filter cuts off at 12dB/Octave for filtering of high frequency switch mode signals
- Select PF or Degrees



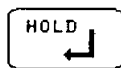
HIGHER LEVEL FUNCTIONS- LOGGING

- Screen 1 gives top level functions

| OPTIONS | |
|-----------------|----------|
| LOG | INT <PC> |
| SET TIME | |
| ENABLE LOG | OFF <ON> |
| DISPLAY DATA | |
| SEND TO PC | |



SELECT



CHANGE

- Activate quick log mode by setting ENABLE LOG to ON and selecting screen to be logged. Default setting are: logging period 1 hour, interval 10 seconds
- Set Time allows entry of specific logging parameters

| SET LOGGING TIMES | |
|---------------------|---------|
| | HR:MIN |
| CURRENT TIME | 00 00 |
| START TIME | 00 00 |
| END TIME | 01:00 |
| | MIN:SEC |
| SAMPLE INTERVAL | 00 10 |
| EXIT | |

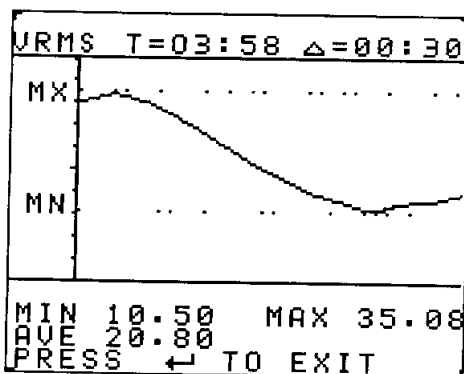
- Maximum logging time is determined by battery life (24hrs) and memory size of 2000 readings



HIGHER LEVEL FUNCTIONS- LOGGING

- Display Data

The key increments through the list, and the key selects one parameter for display. For example:
VRMS, V Av, V Pk, V CF



| DISPLAY DATA | |
|--------------|-------|
| VRMS | |
| V Av | |
| V Pk | |
| V CF | |
| EXIT | |
| START | 00:00 |
| END | 00.01 |
| INTERVAL | 00:10 |

- Send to PC

This allows the user to download data to a PC running the WinLog program.

| OPTIONS | |
|-------------------|----------|
| LOG | INT <PC> |
| SET TIME | |
| ENABLE LOG | OFF <ON> |
| DISPLAY DATA | |
| SEND TO PC | |