

100-262

Analyst 2050

True RMS Clamp-on Power Meter

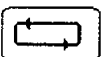
POWER CLAMP OSCILLOSCOPE DATA LOGGER

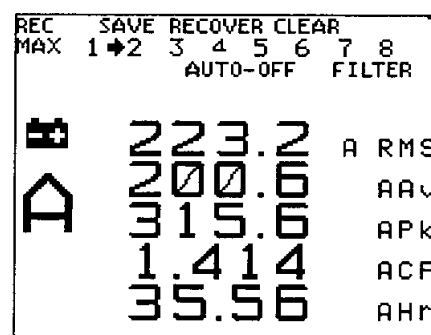
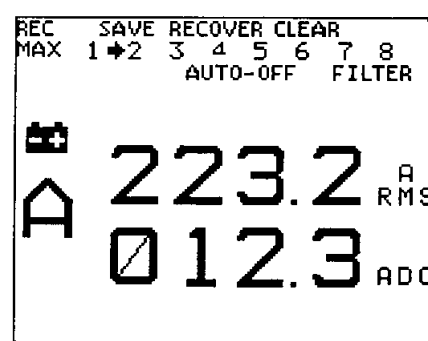
- *W, VA, VAR, kWhr and power factor measurement, even for distorted waveforms*
- *AC and DC clamp on current measurement up to 2000A*
- *TRMS, Peak, Crest Factor, THD and Frequency for current and voltage*
- *Large backlit display for oscilloscope mode and multi parameter display*
- *Internal data logging 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*





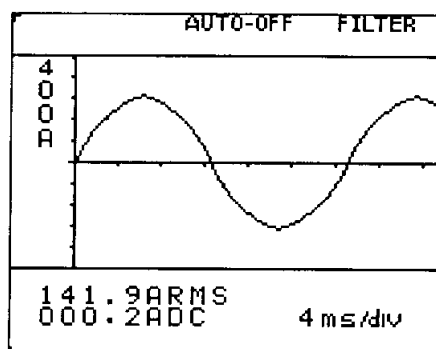
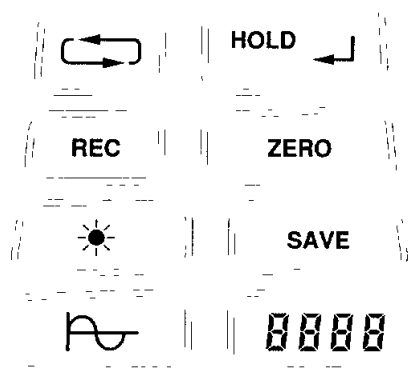
ANALYST 2050 - HOW TO ROTARY SWITCH

- 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
W300	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

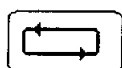
Use the  key to move the cursor and the  key to select either SAVE, RECOVER or CLEAR Repeat this process to select one of the SAVE locations from 1 to 8

- 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

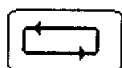
- Contrast can be adjusted to suit lighting conditions
- Auto power down is automatically disabled when logging and in REC mode
- Low Pass Filter cuts off at 12dB/Octave for filtering of high frequency switch mode signals
- Select PF or Degrees



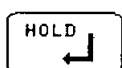
HIGHER LEVEL FUNCTIONS- LOGGING

- 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	

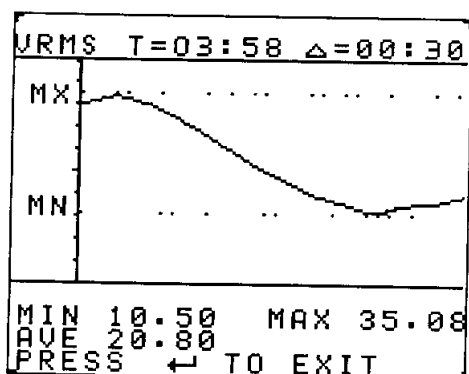
- Maximum logging time is determined by battery life (24hrs) and memory size of 2000 readings



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	