


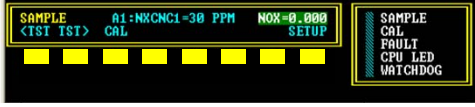


# CHANGING THE RANGE

Teledyne Advanced Pollution Instrumentation




## Changing the range




The following keystrokes will get you to the range menu.

2 Teledyne Advanced Pollution Instrumentation Updated 03/17/04




## Changing the range




From the sample menu press the SETUP button

3 Teledyne Advanced Pollution Instrumentation Updated 03/17/04



## Changing the range



Next press MORE

4 Teledyne Advanced Pollution Instrumentation Updated 03/17/04




## Changing the range




Next press MORE

5 Teledyne Advanced Pollution Instrumentation Updated 03/17/04



## Changing the range



Then press DIAG

6 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Then press DIAG

7 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Change the PASSWORD to  
929

8 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Change the PASSWORD to  
929

9 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Change the PASSWORD to  
929

10 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Change the PASSWORD to  
929


11 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Change the PASSWORD to  
929

12 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




Terminal screen showing 'ENTER PASSWORD:928' and 'ENTR EXIT' options. A row of indicator lights is shown below, with the second light from the left illuminated in red.

Change the PASSWORD to  
929

13 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




Terminal screen showing 'ENTER PASSWORD:929' and 'ENTR EXIT' options. A row of indicator lights is shown below, with the second light from the left illuminated in red.

Press ENTR

14 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




Terminal screen showing 'ENTER PASSWORD:929' and 'ENTR EXIT' options. A row of indicator lights is shown below, with the second light from the left illuminated in red.

Press ENTR

15 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




Terminal screen showing 'SIGNAL I/O' and 'NEXT ENTR EXIT' options. A row of indicator lights is shown below, with the second light from the left illuminated in red.

Press NEXT until the top line reads  
ANALOG I/O CONFIGURATION

16 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




Terminal screen showing 'SIGNAL I/O' and 'NEXT ENTR EXIT' options. A row of indicator lights is shown below, with the second light from the left illuminated in red.

Press NEXT until the top line reads  
ANALOG I/O CONFIGURATION

17 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range



Terminal screen showing 'ANALOG OUTPUT' and 'PREV NEXT ENTR EXIT' options. A row of indicator lights is shown below, with the second light from the left illuminated in red.

Press NEXT until the top line reads  
ANALOG I/O CONFIGURATION

18 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG PREU NEXT ANALOG OUTPUT ENTR EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Press NEXT until the top line reads  
ANALOG I/O CONFIGURATION

19 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG PREU NEXT ANALOG I/O CONFIGURATION ENTR EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Press NEXT until the top line reads  
ANALOG I/O CONFIGURATION

20 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG PREU NEXT ANALOG I/O CONFIGURATION ENTR EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Press ENTR

21 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG AIO AOUTS CALIBRATED: YES SET> CAL EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Press the SET> button

22 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG AIO AOUTS CALIBRATED: YES SET> CAL EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Press the SET> button

23 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range


DIAG AIO DATA\_OUT\_1:50, MWCNCL, CAL (SET SET) EDIT EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Press EDIT to edit the channel

24 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1:5U,NKCNC1,CAL  
<SET SET> EDIT EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Press EDIT to edit the channel

25 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 RANGE:5U  
<SET SET> EDIT EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Press the SET> button

26 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 RANGE:5U  
<SET SET> EDIT EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Press the SET> button

27 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 OVERRANGE:OFF  
<SET SET> EDIT EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until the top line reads.....

28 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 OVERRANGE:OFF  
<SET SET> EDIT EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until the top line reads.....

29 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range



DIAG AIO DATA\_OUT\_1 REC OPS:0 nU  
<SET SET> EDIT EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until the top line reads.....

30 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Until the top line reads.....

31 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Until the top line reads.....

32 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Until the top line reads.....

33 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Until the top line reads.....

34 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Until the top line reads.....

35 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Until the top line reads.....

36 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Until the top line reads.....

37 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DATA\_OUT\_1 SCALE

38 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DATA\_OUT\_1 SCALE

39 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Press EDIT to change the range of the channel.

40 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Press EDIT to change the range of the channel.


41 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

Press the number within the []'s to change the numbers

42 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range



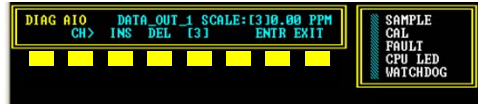
DIAG AIO DATA\_OUT\_1 SCALE: [2]0.00 PPM  
CH> INS DEL [2] ENTR EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Press the number within the []'s to change the numbers

43 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 SCALE: [3]0.00 PPM  
CH> INS DEL [3] ENTR EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Press the <CH or CH> to switch between the numbers

44 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 SCALE: [3]0.00 PPM  
CH> INS DEL [3] ENTR EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Press the <CH or CH> to switch between the numbers

45 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 SCALE: 3[0].00 PPM  
<CH CH> INS DEL [0] ENTR EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

To add another digit press the INS button

46 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range




DIAG AIO DATA\_OUT\_1 SCALE: 3[0]0.00 PPM  
<CH CH> INS DEL [0] ENTR EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

To add another digit press the INS button

47 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range



DIAG AIO DATA\_OUT\_1 SCALE: 3[0]0.0 PPM  
<CH CH> INS DEL [0] ENTR EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Once the range has been changed to the desired value press ENTR

48 Teledyne Advanced Pollution Instrumentation Updated 03/17/04



### Changing the range

DIAG AIO DATA\_OUT\_1 SCALE:300.00 PPM  
 <CH CH> INS DEL 10 ENTR EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Once the range has been changed to the desired value press ENTR

59 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG AIO DATA\_OUT\_1 SCALE:300.00 PPM  
 <SET SET> EDIT EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

The range of the instrument has now been changed

50 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG AIO DATA\_OUT\_1 SCALE:300.00 PPM  
 <SET SET> EDIT EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Press EXIT

51 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG AIO DATA\_OUT\_1:50.NXCNC1.CAL  
 <SET SET> EDIT EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

To change the range on the remaining channels press the SET > button to the desired channel and repeat the previous steps, otherwise press the EXIT button

52 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG AIO DATA\_OUT\_1:50.NXCNC1.CAL  
 <SET SET> EDIT EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Continue to press the EXIT button

53 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG PREV NEXT ANALOG I/O CONFIGURATION  
 ENTR EXIT

SAMPLE CAL FAULT CPU LED WATCHDOG

Until you reach the Sample Menu

54 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

DIAG ANALOG I/O CONFIGURATION  
PREV NEXT ENTR EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until you reach the Sample Menu

55 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

SETUP F.0 SECONDARY SETUP MENU  
COMM UARS DIAG ALARM SIM EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until you reach the Sample Menu

56 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

SETUP F.0 SECONDARY SETUP MENU  
COMM UARS DIAG ALARM SIM EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until you reach the Sample Menu

57 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

SETUP F.0 PRIMARY SETUP MENU  
CFG DAS RNGE PASS CLK MORE EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until you reach the Sample Menu

58 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

SETUP F.0 PRIMARY SETUP MENU  
CFG DAS RNGE PASS CLK MORE EXIT

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

Until you reach the Sample Menu

59 Teledyne Advanced Pollution Instrumentation Updated 03/17/04

### Changing the range

SAMPLE A1-NKCNC1=300 PPM NO2=0.000  
<TST TST> CAL SETUP

SAMPLE  
CAL  
FAULT  
CPU LED  
WATCHDOG

The range should now reflect your change.

60 Teledyne Advanced Pollution Instrumentation Updated 03/17/04