



QUICK START GUIDE

Suggested Settings for Natural Gas Network Surveys in USA with IRwin Methane Leak Detector

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CO₂ sensor is calibrated during yearly service.

Field calibration normally not required.

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How to set your IRwin Methane Leak Detector in Universal Mode
(for a factory set unit)

For Operation in countries not following German DVGW directives

1

Start the device by pressing the ON button 

2

Answer the function test questions and confirm test results by pressing 

3

Press  followed by 

4

Use  to navigate to *General* and press 





5

Use  to navigate to *Custom* and press 



6



Use  to navigate to *Universal Mode* and press 



7

Enter the Supervisor (Advanced) password code

8

Use  to navigate to *Universal Mode* and press 






9

Press  to tick Universal Mode box



10

Press  followed by  and 

QUICK START GUIDE

How to Set your IRwin Methane Leak Detector for 1 Point Calibration
2.2% (2.5%) - Universal Mode
(for a factory set unit)

1

Make sure your IRwin is set in Universal Mode (see the *How to set your IRwin for Universal Mode* quick start guide)

2

Press  followed by 

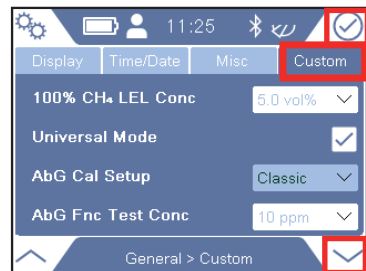
3

Use  to navigate to *General* and press 



4

Use  to navigate to *Custom* and press 



5




Use  to navigate to *AbG Cal Setup* and press 



6




If prompted, enter the Supervisor (Advanced) password code
 If not prompted, go ahead to next step

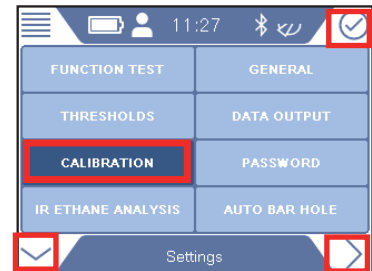
7

Use  to select *Generic* and press 
 followed by 




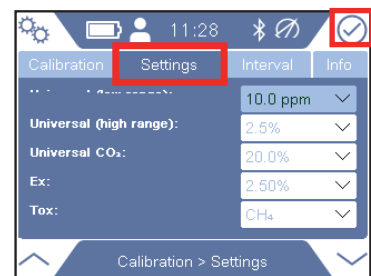
8

Use  and  to navigate to *Calibration* and press 



9


Use  to navigate to *Settings* and press 

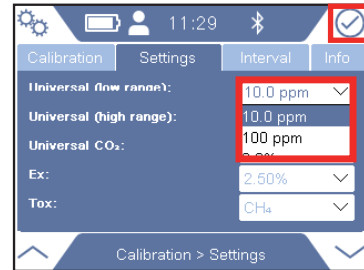


10


If prompted, enter the (min) Intermediate password code
 If not prompted, go ahead to next step

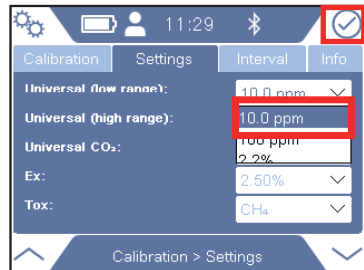
11

Press  to get to the drop-down menu




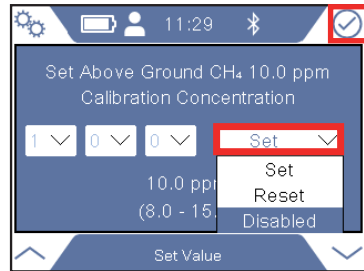
12

Press  on the first choice of the drop-down menu



13

Navigate to far right drop-down menu and press 




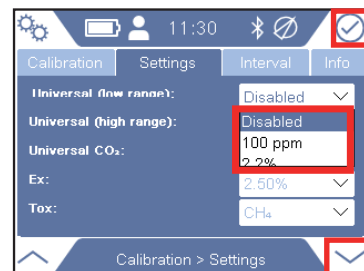
14

Use  to select *Disabled* and press 





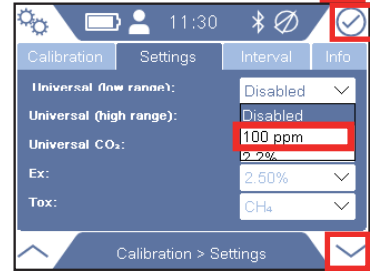
15

Press  again to view drop-down menu




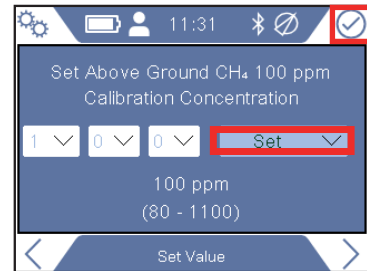
16

In *Universal Low Range*, use  to select the second choice in the drop-down menu, press 



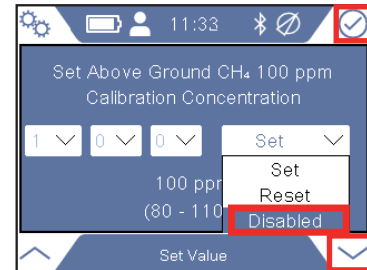
17

Navigate to far right drop-down menu and press 



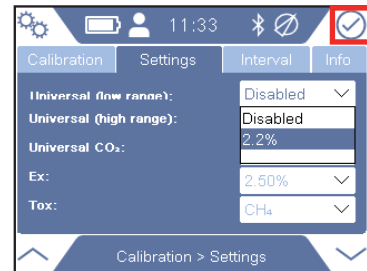
18

Use  to select *Disabled* and press 





19

Press  again to view the drop-down menu






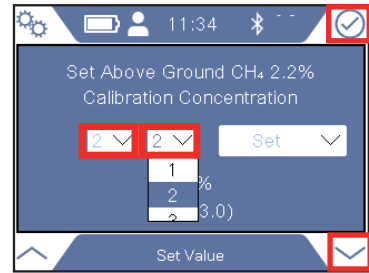
20

In *Universal Low Range*, use  to select the third choice in the drop-down menu, press 




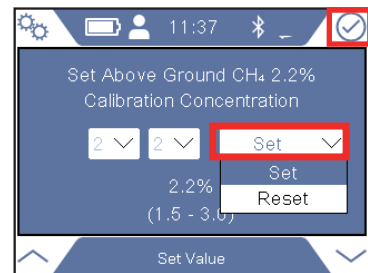
21

Use  to navigate to drop-down menus. Set the actual value of the calibration gas you have, nominally 2.2% or 2.5%, by entering:
 2 and press 
 2 (5) and press 



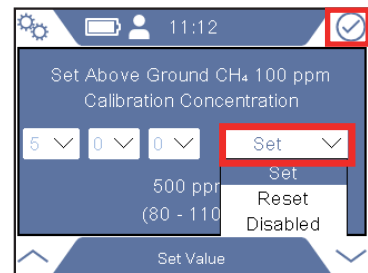
22

Navigate to far right drop-down menu and press 






23

Select Set by using  and  and press 



24

Press  followed by  and 

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How to set the Function Test at 2.5 vol% or 10 ppm on your IRwin Methane Leak Detector - Universal Mode (for a factory set unit)

1

Make sure your IRwin is set in Universal Mode (see the *How to set your IRwin for Universal Mode* quick start guide)

2


Press  followed by 

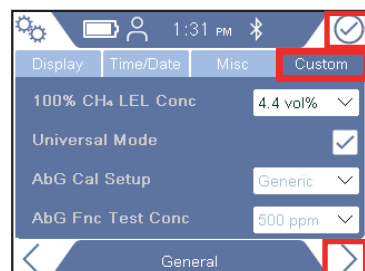
3

Use  to navigate to *General* and press 



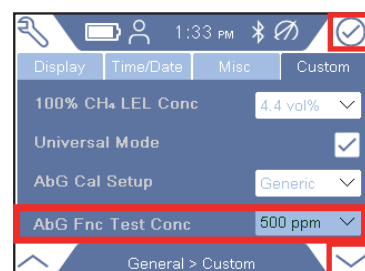
4

Use  to navigate to *Custom* and press 



5

Use  to navigate to *AbG Fnc Test Conc* and press 

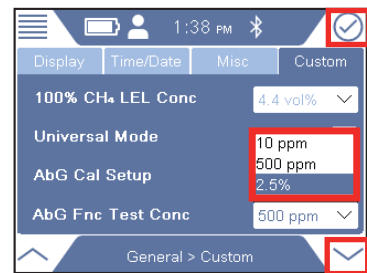


6

If prompted, enter the Supervisor (Advanced) password code and repeat step 5.
If not prompted, go ahead to the next step

7

Use to select 2.5% or 10 ppm in the drop-down menu, press



8

Press followed by and

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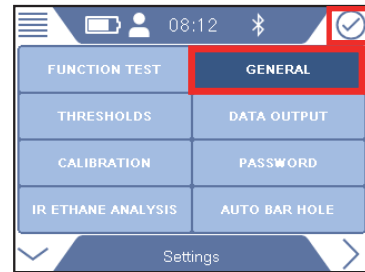
How to set the Lower Explosive Limit (LEL) at 4.4 vol% on IRwin Methane Leak Detector

1

Press  followed by 

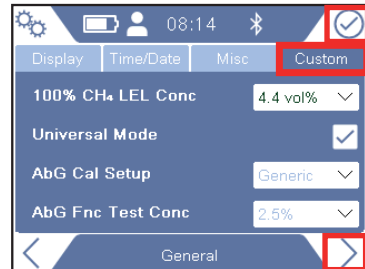
2

Use  to navigate to *General* and press 



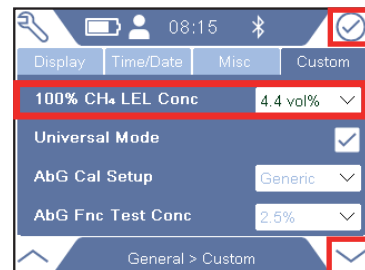
3

Use  to navigate to *Custom* and press 



4



Use  to select *100% CH4 LEL Conc*

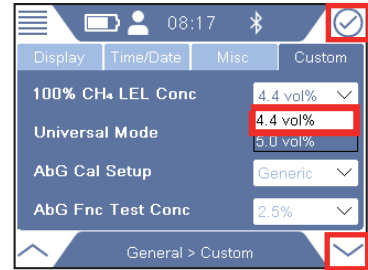


5




If prompted, enter the Supervisor (Advanced) password code and repeat step 4.
If not prompted, go ahead to the next step

6

Use  to select 4.4 vol% in the drop-down menu, press 



7

Press  followed by  and 

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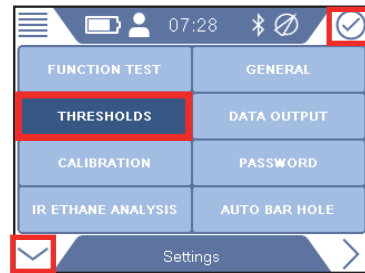
How to set the Threshold Alarm manually on your IRwin Methane Leak Detector

1


Press  followed by 

2

Use  to navigate to *Thresholds* and press 



3

To select *CxHy* press 

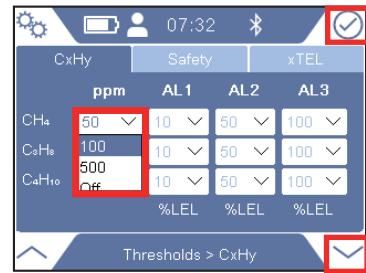


4

If prompted, enter the Intermediate password code and repeat step 3. If not prompted, go ahead to the next step

5

Press to open the drop-down menu. Use to navigate to wanted amount and press



6

Press followed by and

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How to do a 1-point Calibration at 2.5 vol% with your IRwin Methane Leak Detector (Universal Mode)
(for a factory set unit)

1

Make sure your IRwin is set in Universal Mode (see the *How to set your IRwin for Universal Mode* quick start guide)

2

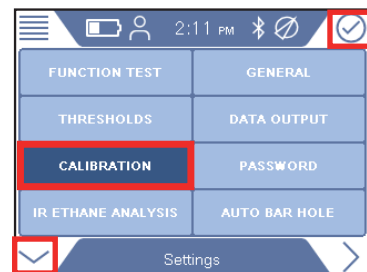
Make sure your IRwin is set with the right calibration settings (see the *How to set your IRwin for one point calibration 2.2% (2.5%)* quick start guide)

3


Press  followed by 

4




Use  to navigate to *Calibration* and press 

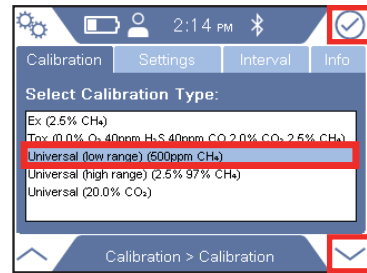


5


If prompted, press  and enter the Intermediate password code. If not prompted, go ahead to next step

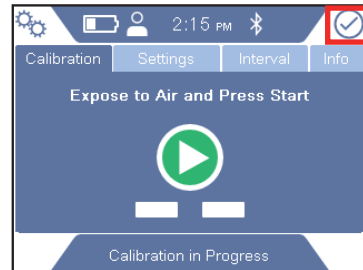
6

Press  to get to the drop-down menu. Use  to navigate to *Universal (low range) (2.5% CH₄)*. Press 




7

Expose the instrument to air and press 







8

Expose the instrument to gas, 2.5% CH₄, and press 



9

When the calibration is done, press  followed by 
Then press  followed by 

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How to Perform GC Function Test on IRwin Methane Leak Detector (for a factory set unit)

1

Make sure your IRwin is set in Universal Mode (see the *How to set your IRwin for Universal Mode* quick start guide)

2




Press  followed by 

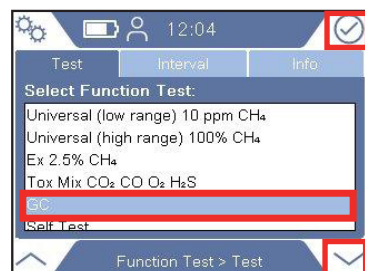
3

Select *Function Test* and press 




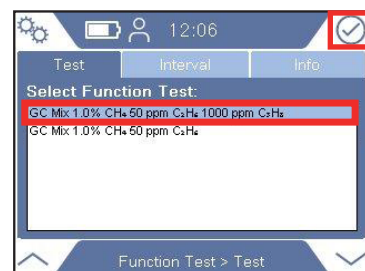
4

Press . Use  to select GC in the drop-down menu, press 



5

Press  to perform a function test with GC Mix 1.0% CH₄ 50ppm C₂H₆ 1000ppm C₃H₈



6

Press  to start the Function Test for GC



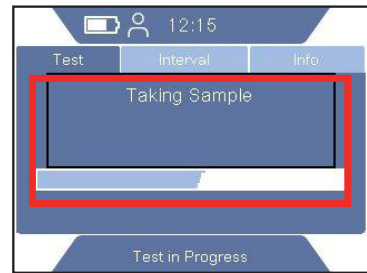
7

Expose the instrument to GC gas mix
(GC mix 1.0% CH₄ 50ppm C₂H₆ 1000ppm C₃H₈)



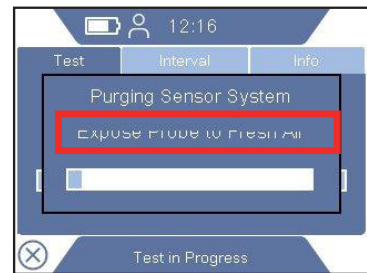
8

The Function Test is in progress



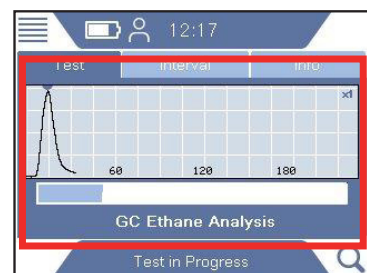
9

Expose both probe and instrument to fresh air



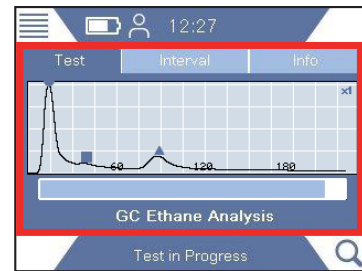
10

The GC Analysis is in progress



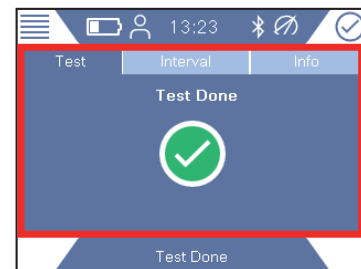
11

The Function Test is successfully completed when the graph shows detection of methane, ethane and propane



12

A successful test will be confirmed by a green, ticked circle. You can also save the GC report.



13

Use IRwin App to transfer your saved log files to your computer and create pdf file of the test. IRwin App is available on www.inficon.com

