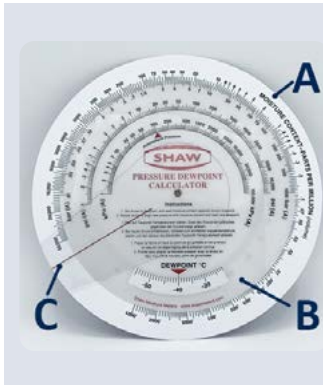


STEP BY STEP GUIDE

How to use the SHAW Pressure Dewpoint Calculator



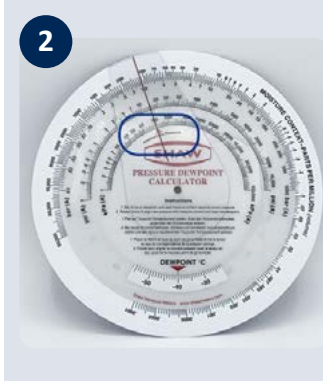
The dewpoint calculator is made up of three parts:

- A. The base wheel for moisture content.
- B. The centre wheel for pressure input.
- C. An alignment arrow.



After taking a reading with your dewpoint meter (we used the SADP), rotate the centre wheel [B] to match the dewpoint shown on the instrument. We will use -40°C for this example.

We designed the SADP portable dewpoint meter to work at atmospheric pressure.



2

Move the alignment arrow [C] to line up with the *Atmospheric Pressure* indicator.

This displays the equivalent moisture content on the base wheel in parts per million (ppm(V)).



3

Hold the alignment arrow [C] and the moisture content value in a fixed position, rotate the centre wheel [B] to change the pressure.



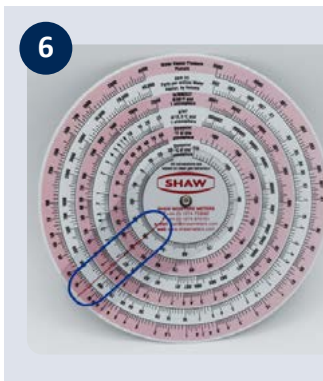
4

For this example, we have rotated the wheel anti-clockwise to 10bar(A).



5

The pressure dewpoint in $^{\circ}\text{C}$ is now visible on the calculator, indicating a value slightly over -17.5°C dewpoint.



6

To convert your new reading to an alternate measurable value, use the reverse of the SHAW pressure dewpoint calculator.



7

Rotate the alignment arrow to the $^{\circ}\text{C}$ reading in step 5, e.g. -17.5°C . You will find the conversions for the following units: $^{\circ}\text{F}$, g/m^3 , lb/MMSCF , $\text{ppm}(\text{V})$ and $\text{ppm}(\text{W})$.

For technical help please contact: Shaw Moisture Meters +44 (0) 1274 733582