

YG15 Temperature Compensator for TMGa, TMAI and TMIn



- Measures the temperature of a liquid or solid CVD or ALD precursor with a resolution of 30mK
- Compensates vapor output for temperature error by adjusting carrier gas flow or ampoule /bubbler pressure
- Keeps the concentration error at less than 0.4%.
- Five-point linear temperature

INCREASE YIELD

CeeVeeTech compensators eliminate yield loss caused by a temperature shift of the precursor source.

REDUCE COST

CeeVeeTech compensators save tool time by elimination of stabilization steps

EXTEND SOURCE LIFE

CeeVeeTech compensators enable higher utilization of precursor compounds

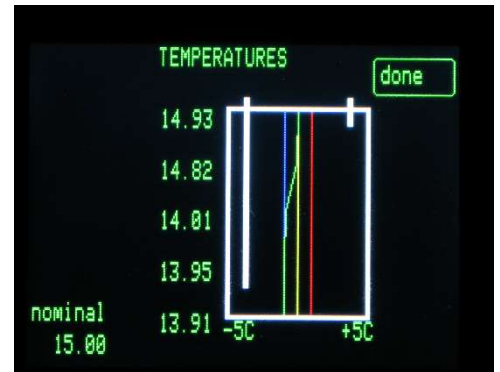
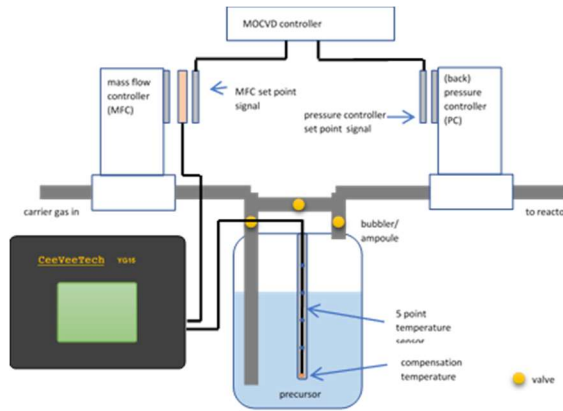
ENHANCE SAFETY

CeeVeeTech compensators allow the removal of the temperature bath. Many liquid and solid precursors react violently with water.

The CeeVeeTech YG15 provides a precision adjustment of the vapor concentration of a liquid or solid ALD/CVD /MOCVD precursor. The YG15 compensates the vapor concentration for temperature errors. The YG15 delivers a constant vapor flow to an CVD, MOCVD and ALD process from any bubbler.

The CeeVeeTech YG15 uses five precision temperature sensors. The temperature of the precursor is used to maintain the precise vapor concentration for the process.

Features and Benefits



**WORKS WITH ALL
CVD, MOCVD AND
ALD TOOLS**

**EXTENDED SOURCE
LIFE**

SHORTER RUN TIME

ENHANCED SAFETY

**NO PRE-GROWTH
SOURCE
STABILIZATION**

**BETTER
PRECURSOR
SOURCE
MANAGEMENT**

- | | |
|---------------------------------|--------------------------------|
| 1. Bubbler Dash Board | 1. No Pre-Growth Stabilization |
| 2. Shorter Run Time | 2. Less waste |
| 3. Higher Productivity | 3. for all CVD/ALD tools |
| 4. Better Precursor utilization | 4. for all Bubblers |
| 5. Extended Source Life | |

Requirements:

- Thermal access port in ampoule or bubbler (thermal well)
- 100mA on MFC or pressure controller supply bus

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