

YG15 Temperature Compensator for liquid and solid precursors



- 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 sensor array.

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

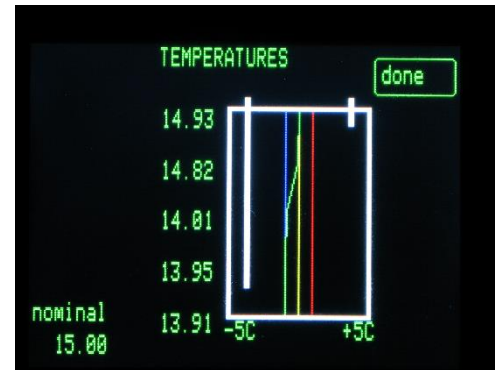
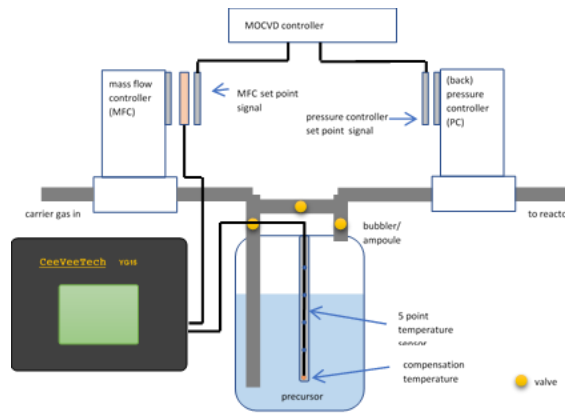
ENHANCE SAFETY

CeeVeeTech compensators allow to

The CeeVeeTech YG15 provides a precision adjustment of the vapor concentration of a liquid or solid precursor used for ALD, CVD, MOCVD or any other vapor deposition process. The YG15 compensates the vapor concentration for temperature errors by adjusting the carrier gas flow or the ampoule pressure. 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

- Shorter Run Time
- Higher Productivity
- Better Precursor Utilization
- Extended Source Life
- Bubbler Dash Board
- No Pre-Growth Stabilization
- Less waste
- for all CVD/ALD tools
- for all Bubblers

Requirements:

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

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