

Calibration Parameter Reference Sheet

(File Name Suggestion: calibration-parameter-reference-sheet.pdf)

Calibration Parameter Types in A2L File (ASAP2)

1. VALUE (Scalar)

- Single tunable parameter
- Example: Idle RPM target
- Used in XCP calibration

2. CURVE (1D Array)

- One axis
- Example: Temperature compensation curve

3. MAP (2D Table)

- Two axes
- Example: Fuel injection map

4. AXIS_PTS

- Axis definition for curve/map
- Defines breakpoints

5. SWITCH Parameter

- Boolean enable/disable
- Example: Feature activation

6. CONSTANT

- Non-changeable reference parameter

7. DEPENDENT PARAMETER

- Parameter influenced by other variables

Each parameter is defined inside the A2L file under CHARACTERISTIC block.

This reference sheet supports ECU measurement and calibration understanding.