



| Option 1 | Option 2 |
|----------------|----------------|
| write_p = true | write_p = true |
| P_0 = 160000 | P_0 = 130000 |
| P_s = 15 | P_s = 12 |
| Px0 = 0.855 | Px0 = 0.855 |
| P_min = 1000 | P_min = 1000 |

$$P0 = P_min + P_0 * (1 - \tanh(P_s * (x - Px0)))$$