Draft Flow Meter FESA Interface

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Property name | Prop. Type | Field | Field type | Unit | Meaning |
| Status | status |  |  |  |  |
|  |  | status-item | GSI-status-field |  | UNKNOWN/OK/ERROR |
|  |  | detailed-status-field | GSI-Detailed-status-field |  | 0 – command execution error  1 – data transfer error  2 – totalizer error  3 – overflow (too high)  4 - underflow (too low)  5 – valve opened/closed  6 – relay 1 active  7 – relay 2 active |
| Power | power |  |  |  |  |
| Reset | reset |  |  |  |  |
| Init | init |  |  |  |  |
| Version | version |  |  |  |  |
| SetGasType | setting | gasType | enum | / | Select one of Krypton, Nitrogen, Argon, Xenon |
|  |  |  |  |  |  |
| Setting | setting | flow | float | sscm | Flow setpoint |
|  |  |  |  |  |  |
| Acquisition | acquisition | flow | float | sscm | Flow readback |
|  |  | flow\_status | AQN\_STATUS |  | Indicating overflow |
|  |  | setFlow | float | sscm | Flow setpoint |
|  |  |  |  |  |  |
| OpenCloseValve | setting | action | bool |  | True: Opens valve(h priority)  False: Closes valve(h priority) |
| ResetRelay | command | / |  |  | ResetRelays |
| ExpertConfiguration | setting |  |  |  |  |
|  |  | gain | float | sscm |  |
|  |  | offset | float | sscm |  |
|  |  | range | float | sscm |  |
|  |  | minLimit | float | sscm |  |
|  |  | maxLimit | float | sscm |  |
|  |  | limitMode | int | enum | SLEEP, LIMIT, BAND |
|  |  | limitMemory | bool |  | ON, OFF |
|  |  | fsIn | float | mV | Input Voltage(Flow Controller to Channel controller) |
|  |  | fsOut | float | mV | Output Voltage(Channel Controller to Flow Controller) |
|  |  | signalprocMode | enum |  | INDEPENDENT,EXTERN |