

Sensor list (updated)

S1-G-Sensor List R19

Included items in the list

| Number | Component | Tag No | Position of measurement | Sensor type | Measured range | Cable length | Pin | Sig. port |
|--------|---------------|--------|--|---------------------|----------------|--------------|-----|-----------|
| 1 | #1 Cavity | TCC100 | Helium Vessel | T (Cernox) | 1.4K~325K | 12.5m | 4 | CP1 |
| 2 | (DESY-Cavity) | TKC101 | HOM coupler in the input coupler side-top | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 3 | | TKC102 | HOM coupler in the input coupler side-bottom | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 4 | | TKC103 | HOM coupler in the non-input coupler side-top | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 5 | | TKC104 | HOM coupler in the non-input coupler side-bottom | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 6 | | TCC105 | Piezo | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 7 | | TCC110 | Connection area of input coupler with beam pipe | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 8 | | TCC111 | 5K thermal intercept of input coupler (beam pipe side) | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 9 | | TCC112 | 5K thermal intercept of input coupler (body) | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 10 | | TCC114 | 5K thermal intercept of input coupler (cooling pipe side) | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 11 | | TCC115 | 5K thermal intercept of input coupler (intercept side) | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 12 | | TTC130 | 80K thermal intercept of input coupler (beam pipe side) | T (Cu-Constantan) | 70K~310K | 12.5m | 2 | CP4 |
| 13 | | TTC131 | 80K thermal intercept of input coupler (body) | T (Cu-Constantan) | 70K~310K | 12.5m | 2 | CP4 |
| 14 | | TTC132 | 80K thermal intercept of input coupler (vacuum vessel side) | T (Cu-Constantan) | 70K~310K | 12.5m | 2 | CP4 |
| 15 | | TTC133 | 80K thermal intercept brade of input coupler (coupler side) | T (Cu-Constantan) | 70K~310K | 12.5m | 2 | CP4 |
| 16 | | TTC134 | 80K thermal intercept brade of input coupler (cooling pipe side) | T (Cu-Constantan) | 70K~310K | 12.5m | 2 | CP4 |
| 17 | | TTC135 | Input coupler (room temperature and in the vacuum vessel) | T (Cu-Constantan) | 70K~310K | 12.5m | 2 | CP4 |
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| 18 | #2 Cavity | TCC200 | Helium Vessel | T (Cernox) | 1.4K~325K | 12.5m | 4 | CP1 |
| 19 | (DESY-Cavity) | TKC201 | HOM coupler in the input coupler side-top | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 20 | | TKC202 | HOM coupler in the input coupler side-bottom | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 21 | | TKC203 | HOM coupler in the non-input coupler side-top | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 22 | | TKC204 | HOM coupler in the non-input coupler side-bottom | T (Carbon Resistor) | 1.4K~100K | 12.5m | 4 | CP6 |
| 23 | | TCC205 | Piezo | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 24 | | TCC210 | Connection area of input coupler with beam pipe | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 25 | | TCC211 | 5K thermal intercept of input coupler | T (Cernox) | 1.4K~100K | 12.5m | 4 | CP1 |
| 26 | | TTC230 | 80K thermal intercept of input coupler (body) | T (Cu-Constantan) | 70K~310K | 12.5m | 2 | CP4 |



Logging data are specified by Tag Number.

Module-C: 162 points
 Module-A: 168 points
 2K Cold Box: 44 points