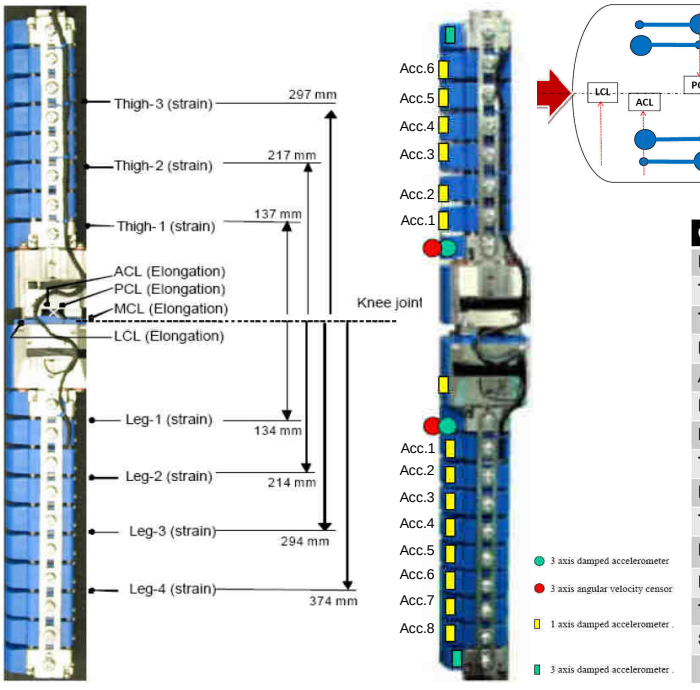
# Suggestion

**ISO-MME-Codes for FlexGTR**

| No. | Location (Description) | Category |
|---|---|---|
| 1 | Femur Moment 3 Upper, X | standard |
| 2 | Femur Moment 2 Middle, X | standard |
| 3 | Femur Moment 1 Lower, X | standard |
| 4 | Knee LCL Elongation | standard |
| 5 | Knee ACL Elongation | standard |
| 6 | Knee PCL Elongation | standard |
| 7 | Knee MCL Elongation | standard |
| 8 | Tibia Moment 1 Upper, X | standard |
| 9 | Tibia Moment 2 Middle Upper, X | standard |
| 10 | Tibia Moment 3 Middle Lower, X | standard |
| 11 | Tibia Moment 4 Lower, X | standard |
| 12 | Knee Bottom Acceleration, Y | optional |
| 13 | Femur Top Acceleration, X | additional |
| 14 | Femur Top Acceleration, Y | additional |
| 15 | Femur Top Acceleration, Z | additional |
| 16 | Femur Segment 1 Acceleration, Y | additional |
| 17 | Femur Segment 2 Acceleration, Y | additional |
| 18 | Femur Segment 3 Acceleration, Y | additional |
| 19 | Femur Segment 4 Acceleration, Y | additional |
| 20 | Femur Segment 5 Acceleration, Y | additional |
| 21 | Femur Segment 6 Acceleration, Y | additional |
| 22 | Knee Upper Acceleration, X | additional |
| 23 | Knee Upper Acceleration, Y | additional |
| 24 | Knee Upper Acceleration, Z | additional |
| 25 | Knee Upper Angular Rate, ωX | additional |
| 26 | Knee Upper Angular Rate, ωY | additional |
| 27 | Knee Upper Angular Rate, ωZ | additional |
| 28 | Knee Lower Acceleration, X | additional |
| 29 | Knee Lower Acceleration, Y | additional |
| 30 | Knee Lower Acceleration, Z | additional |
| 31 | Knee Lower Angular Rate, ωX | additional |
| 32 | Knee Lower Angular Rate, ωY | additional |
| 33 | Knee Lower Angular Rate, ωZ | additional |
| 34 | Tibia Segment 1 Acceleration, Y | additional |
| 35 | Tibia Segment 2 Acceleration, Y | additional |
| 36 | Tibia Segment 3 Acceleration, Y | additional |
| 37 | Tibia Segment 4 Acceleration, Y | additional |
| 38 | Tibia Segment 5 Acceleration, Y | additional |
| 39 | Tibia Segment 6 Acceleration, Y | additional |
| 40 | Tibia Segment 7 Acceleration, Y | additional |
| 41 | Tibia Segment 8 Acceleration, Y | additional |
| 42 | Tibia Bottom Acceleration, X | additional |
| 43 | Tibia Bottom Acceleration, Y | additional |
| 44 | Tibia Bottom Acceleration, Z | additional |

| Test Object | Position | Transd. Main Location | Fine Location 1 | Fine Location 2 | Fine Location 3 | Physical Dimension | Direction | Filter Class |
|---|---|---|---|---|---|---|---|---|
| 0 | 0 | FEMR | UP | 00 | PF | MO | X | C |
| 0 | 0 | FEMR | MI | 00 | PF | MO | X | C |
| 0 | 0 | FEMR | LO | 00 | PF | MO | X | C |
| 0 | 0 | KNEE | LC | 00 | PF | DS | Z | C |
| 0 | 0 | KNEE | AC | 00 | PF | DS | Z | C |
| 0 | 0 | KNEE | PC | 00 | PF | DS | Z | C |
| 0 | 0 | KNEE | MC | 00 | PF | DS | Z | C |
| 0 | 0 | TIBI | UP | 00 | PF | MO | X | C |
| 0 | 0 | TIBI | MI | UP | PF | MO | X | C |
| 0 | 0 | TIBI | MI | LO | PF | MO | X | C |
| 0 | 0 | TIBI | LO | 00 | PF | MO | X | C |
| 0 | 0 | KNEE | BO | 00 | PF | AC | Y | C |
| 0 | 0 | FEMR | TP | 00 | PF | AC | X | C |
| 0 | 0 | FEMR | TP | 00 | PF | AC | Y | C |
| 0 | 0 | FEMR | TP | 00 | PF | AC | Z | C |
| 0 | 0 | FEMR | 01 | 00 | PF | AC | Y | C |
| 0 | 0 | FEMR | 02 | 00 | PF | AC | Y | C |
| 0 | 0 | FEMR | 03 | 00 | PF | AC | Y | C |
| 0 | 0 | FEMR | 04 | 00 | PF | AC | Y | C |
| 0 | 0 | FEMR | 05 | 00 | PF | AC | Y | C |
| 0 | 0 | FEMR | 06 | 00 | PF | AC | Y | C |
| 0 | 0 | KNEE | UP | 00 | PF | AC | X | C |
| 0 | 0 | KNEE | UP | 00 | PF | AC | Y | C |
| 0 | 0 | KNEE | UP | 00 | PF | AC | Z | C |
| 0 | 0 | KNEE | UP | 00 | PF | AV | X | C |
| 0 | 0 | KNEE | UP | 00 | PF | AV | Y | C |
| 0 | 0 | KNEE | UP | 00 | PF | AV | Z | C |
| 0 | 0 | KNEE | LO | 00 | PF | AC | X | C |
| 0 | 0 | KNEE | LO | 00 | PF | AC | Y | C |
| 0 | 0 | KNEE | LO | 00 | PF | AC | Z | C |
| 0 | 0 | KNEE | LO | 00 | PF | AV | X | C |
| 0 | 0 | KNEE | LO | 00 | PF | AV | Y | C |
| 0 | 0 | KNEE | LO | 00 | PF | AV | Z | C |
| 0 | 0 | TIBI | 01 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | 02 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | 03 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | 04 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | 05 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | 06 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | 07 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | 08 | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | BO | 00 | PF | AC | X | C |
| 0 | 0 | TIBI | BO | 00 | PF | AC | Y | C |
| 0 | 0 | TIBI | BO | 00 | PF | AC | Z | C |







**To clarify:**

| Channel | Purpose | Standard | Option | DAS | Priority |
|---|---|---|---|---|---|
| Femur moment 1, 2 and 3 | Calibration | 3 | 0 | Standard option On board DAS | |
| Tibia moment 1, 2, 3 and 4 | Injury | 4 | 0 | | |
| Tibia top acceln ax | Calibration | 1 | -1 | | |
| MCL elongation | Injury | 1 | 0 | | |
| ACL elongation | Calibration | 1 | 0 | | |
| PCL elongation | Calibration | 1 | 0 | | |
| LCL elongation | Calibration | 1 | 0 | | |
| Tibia top acceln ax, ay, az | Motion | 0 | 3 | optional on board if feasibl | 1 |
| Femur bottm acceln ax, ay, az | Motion | 0 | 3 | | 1 |
| Tibia angular rate ωx, ωy, ωz | Motion | 0 | 3 | | 2 |
| Femur angular rate ωx, ωy, ωz | Motion | 0 | 3 | | 2 |
| Femur top acceln ax, ay, az | Motion | 0 | 3 | Lab | 3 |
| Tibia bottom acceln ax, ay, az | Motion | 0 | 3 | Lab | 3 |
| Segment acceln ax | Research | 0 | 15 | Lab | 4 |
| **Total** | | **12** | **32** | | |