**Fields**:

- noOfCycles : unsigned short

- timePerCycles : unsigned short

- noOfSamples : unsigned short

**Methods**:

**GUI namespace**

Dispaly

{

+ updateDispaly() : void

}

Bottun

{

+ startStopPressed() : bool

+ btPressed() : bool

+ readModeSwitch : unsigned short[3]

}

**Logic namespace**

PressureControl

{

+ measureBT() : unsigned short[3]

+ regulatePressure(pressure : unsigned short) : void

}

Setup{}

Conditioning{}

Occlusion{}

**Data namespace**

Setup

{

+ saveCycleNO(unsigned short) : void

+ loadSetup() : unsigned short[2]

}

MoterControl

{

+ startDeflate() : void

+ stopDeflate() : void

+ startInflate() : void

+ stopInflate() : void

}

ExternalMemory

{

+ createLogfile(patientID : string, deviceID : string) : void

+ saveToSDCompletedCycle(complete : bool) : void

- saveToSDOcclutionPressure(occPress : unsigned short) : void

- saveToSDSystolicPressure(sysPress : unsigned short) : void

- saveToSDMAP(meanPress : unsigned short) : void

- saveToSDDiastolicPress(diaPress : unsigned short) : void

- saveToSDMAP(meanPress : unsigned short) : void

}

Sensoring

{

- readPressure(noOfSamples : unsigned short) : unsigned short

- readOscillation() : unsigned short[\*]

}