```
                    ┌────────────────────────────┐
                    │      amcl::AMCLSensor       │
                    ├────────────────────────────┤
                    │  + is_action               │
                    │  + pose                    │
                    ├────────────────────────────┤
                    │  + AMCLSensor()            │
                    │  + ~AMCLSensor()           │
                    │  + UpdateAction()          │
                    │  + InitSensor()            │
                    │  + UpdateSensor()          │
                    └────────────────────────────┘
```

amcl::AMCLSensor

+ is_action
+ pose

+ AMCLSensor()
+ ~AMCLSensor()
+ UpdateAction()
+ InitSensor()
+ UpdateSensor()

amcl::AMCLLaser

- model_type
- time
- map
- laser_pose
- max_beams
- do_beamskip
- beam_skip_distance
- beam_skip_threshold
- beam_skip_error_threshold
- max_samples
and 9 more...

+ AMCLLaser()
+ ~AMCLLaser()
+ SetModelBeam()
+ SetModelLikelihoodField()
+ SetModelLikelihoodFieldProb()
+ UpdateSensor()
+ SetLaserPose()
- reallocTempData()
- BeamModel()
- LikelihoodFieldModel()
- LikelihoodFieldModelProb()

amcl::AMCLOdom

- time
- model_type
- alpha1
- alpha2
- alpha3
- alpha4
- alpha5

+ AMCLOdom()
+ SetModelDiff()
+ SetModelOmni()
+ SetModel()
+ UpdateAction()