

testing::Test

testing::WithParamInterface< int >

testing::TestWithParam< int >

SeparateInstanceTest

```
classDiagram
    class Test["testing::Test"]
    class WithParamInterface["testing::WithParamInterface< int >"]
    class TestWithParam["testing::TestWithParam< int >"]
    class SeparateInstanceTest

    TestWithParam --|> Test
    TestWithParam --|> WithParamInterface
    SeparateInstanceTest --|> TestWithParam
```

The diagram illustrates the relationships between four classes in the Google Test framework. At the top, there are two base classes: `testing::Test` on the left and `testing::WithParamInterface< int >` on the right. Below these, in the center, is the class `testing::TestWithParam< int >`. At the bottom is the class `SeparateInstanceTest`. Arrows indicate inheritance: a horizontal line with upward-pointing arrows connects `testing::Test` and `testing::WithParamInterface< int >` to `testing::TestWithParam< int >`, indicating that `TestWithParam` inherits from both. A vertical arrow points from `SeparateInstanceTest` up to `testing::TestWithParam< int >`, indicating that `SeparateInstanceTest` inherits from `TestWithParam`.