

ATest™ Details



We Design Automated Test Stations That Support Your Manufacturing Test Strategy Specifications:

We Typically Work Directly With Your Architects And Engineers To Develop A Comprehensive Test Strategy.

We Have Deep Technical Knowledge Of Automated Electronic Measurements And Instrumentation.

We Provide Test Station Definition, Design, Construction, Integration, And Deployment Services.

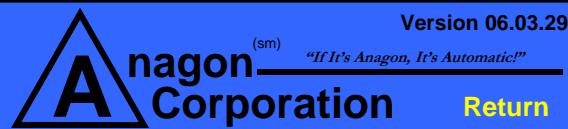
ATest™ Details

We Provide ATest™, A Powerful, Flexible, Test Execution And Development Environment.

Test Sequences Can Be Quickly Designed To Provide Step By Step Instructions And Pictures For Low Skilled Operators.

Hundreds Of Tests Can Be Rapidly Executed Using Complex Instrumentation For Every Unit Produced.

All Resulting Measurement Can Be Analyzed And Saved Into Anagon Test Databases

ATest™ Details[Return](#)

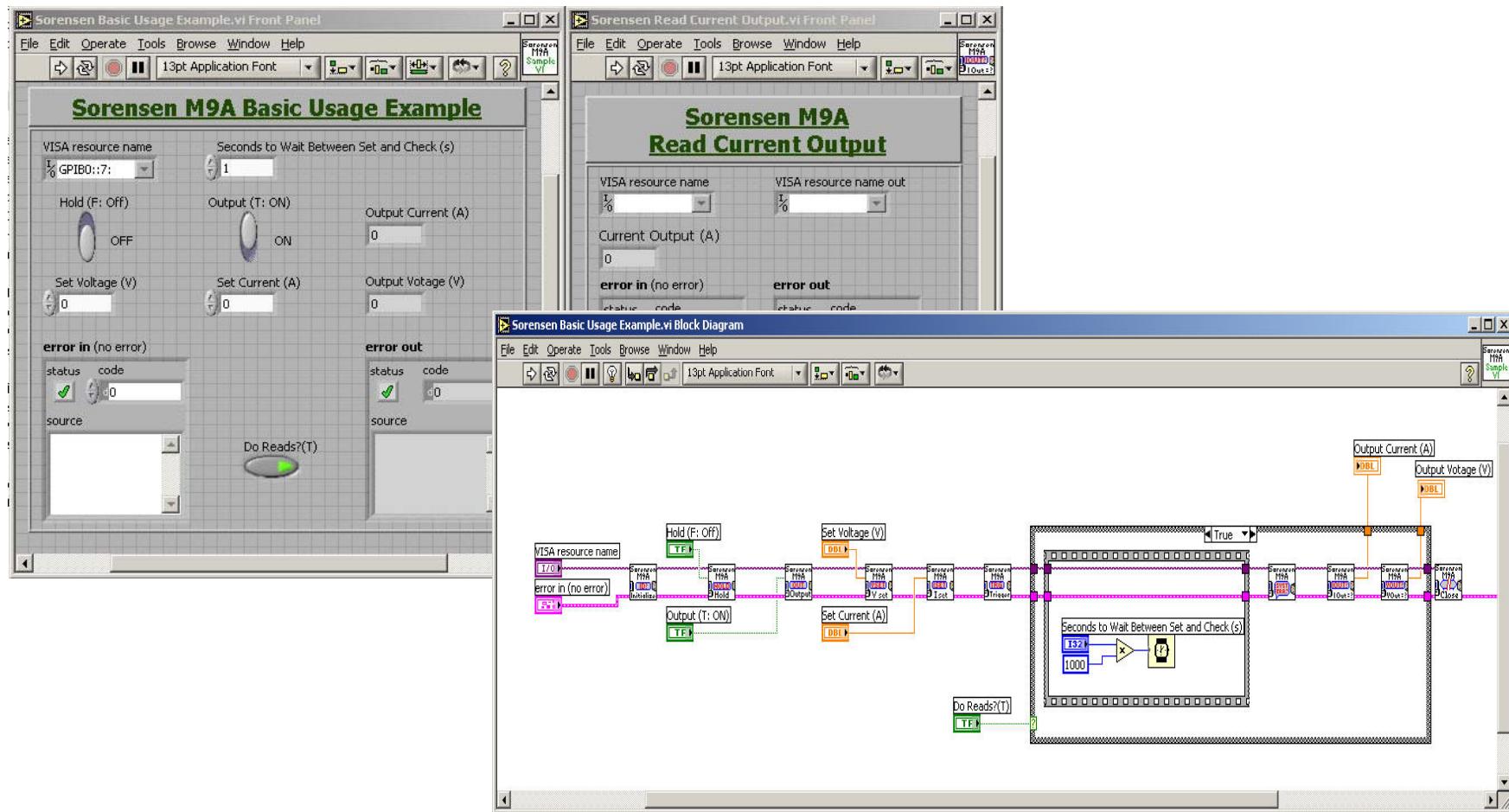
We Provide ATest™, A Powerful, Flexible, Test Execution And Development Environment.

ATest™ Supports A Large Library Of Instrument Drivers From All Major Vendors.

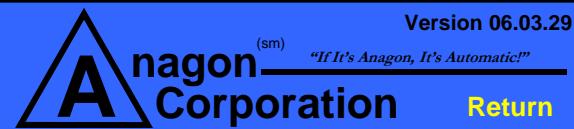
ATest™ Contains A Flexible Set Of Code Assemblies That Perform Common System Tasks.

ATest™ Has A Powerful Debug Environment That Makes Test Development Efficient.

ATest™ Directly Supports LabVIEW® Programming

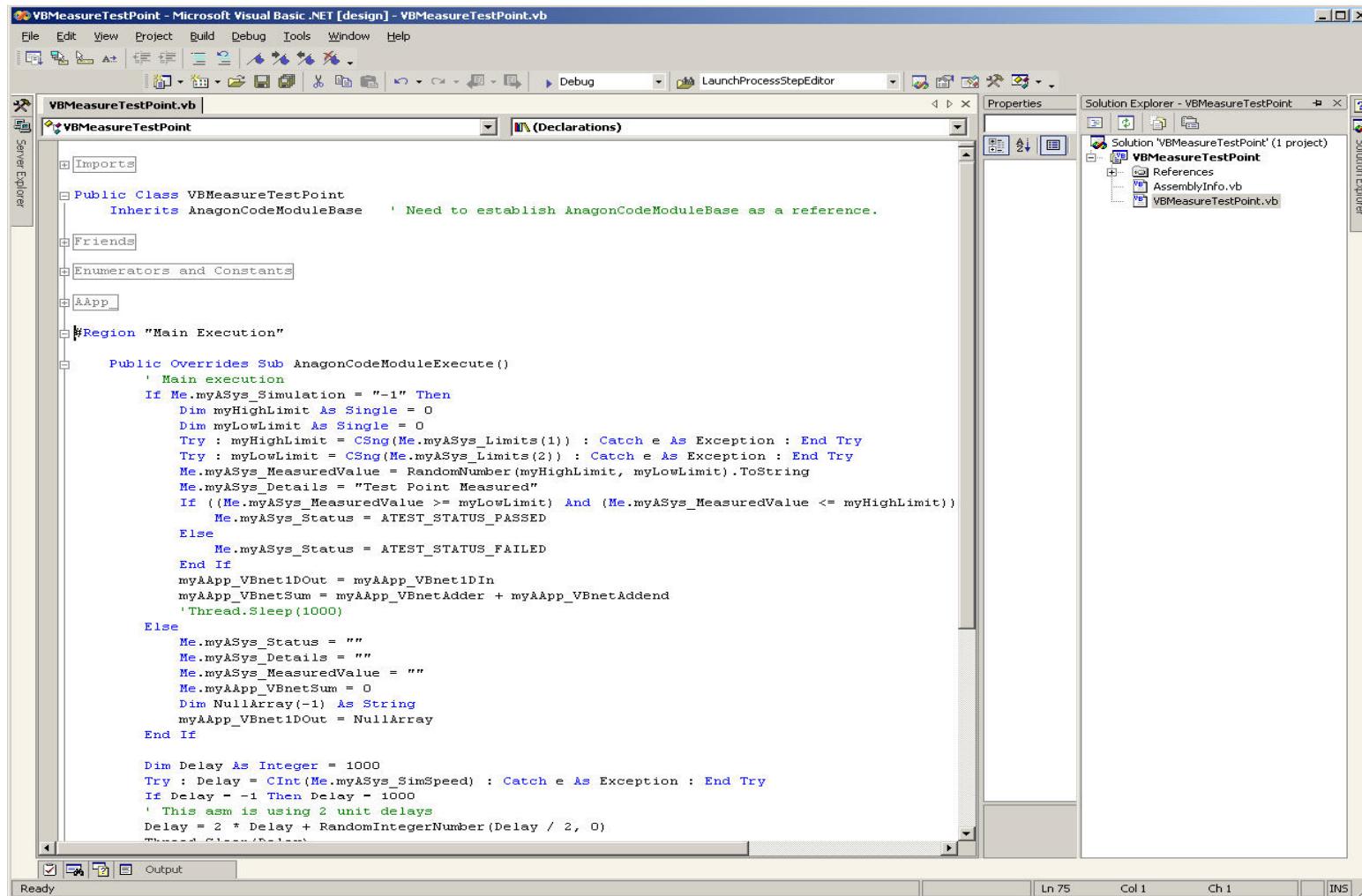


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ATest™ Directly Supports .Net® Programming

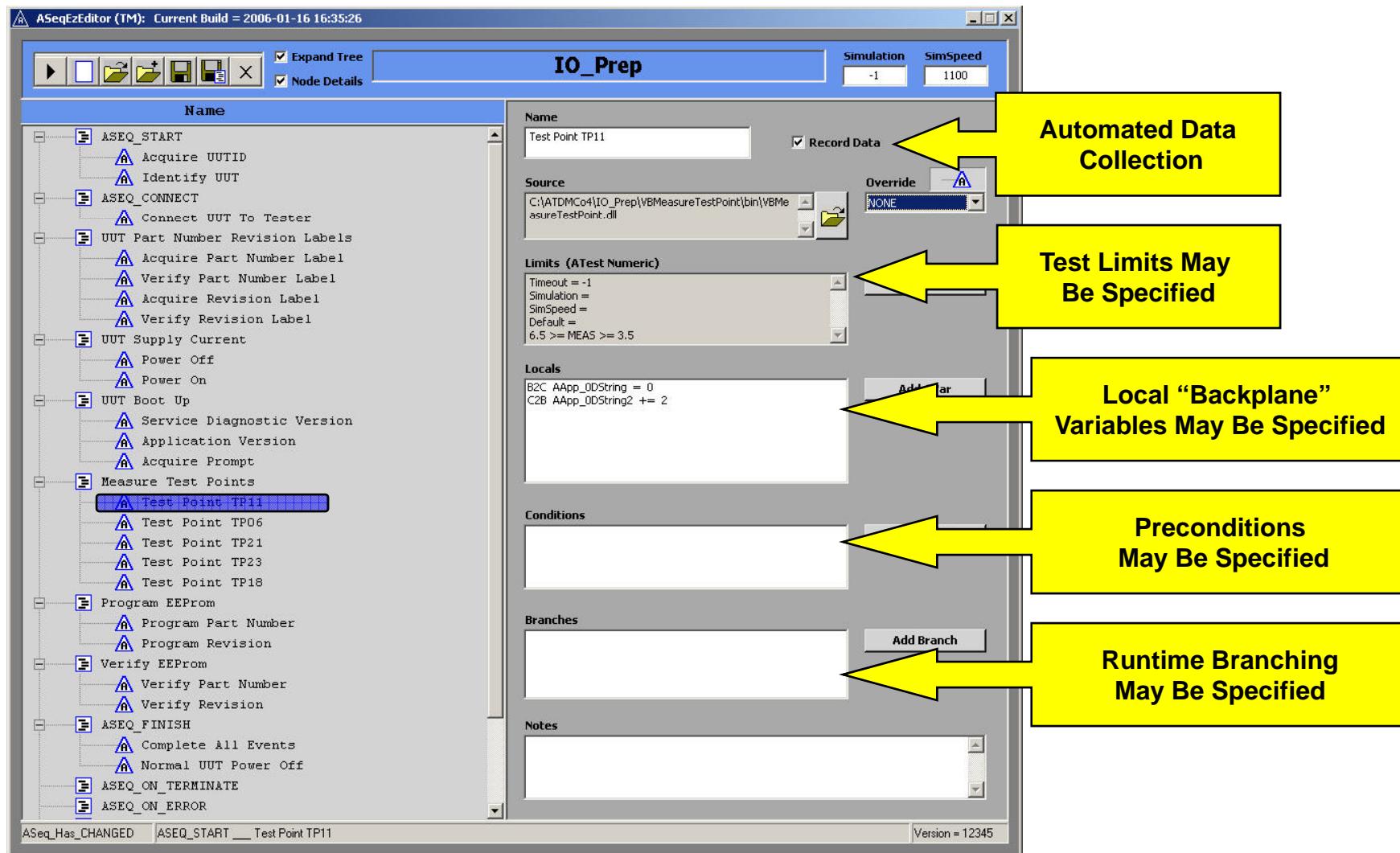


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VBMeasureTestPoint - Microsoft Visual Basic .NET [design] - VBMeasureTestPoint.vb
File Edit View Project Build Debug Tools Window Help
VBMeasureTestPoint.vb | (Declarations)
VBMeasureTestPoint
Imports
Public Class VBMeasureTestPoint
    Inherits AnagonCodeModuleBase      ' Need to establish AnagonCodeModuleBase as a reference.
    Friends
    Enumerators and Constants
    App
    #Region "Main Execution"
    Public Overrides Sub AnagonCodeModuleExecute()
        ' Main execution
        If Me.myASys_Simulation = "-1" Then
            Dim myHighLimit As Single = 0
            Dim myLowLimit As Single = 0
            Try : myHighLimit = CSng(Me.myASys_Limits(1)) : Catch e As Exception : End Try
            Try : myLowLimit = CSng(Me.myASys_Limits(2)) : Catch e As Exception : End Try
            Me.myASys_MeasuredValue = RandomNumber(myHighLimit, myLowLimit).ToString
            Me.myASys_Details = "Test Point Measured"
            If ((Me.myASys_MeasuredValue > myLowLimit) And (Me.myASys_MeasuredValue <= myHighLimit))
                Me.myASys_Status = ATEST_STATUS_PASSED
            Else
                Me.myASys_Status = ATEST_STATUS_FAILED
            End If
            myApp_VBnet1DOut = myApp_VBnet1DIn
            myApp_VBnetSum = myApp_VBnetAdder + myApp_VBnetAddend
            'Thread.Sleep(1000)
        Else
            Me.myASys_Status = ""
            Me.myASys_Details = ""
            Me.myASys_MeasuredValue = ""
            Me.myApp_VBnetSum = 0
            Dim NullArray(-1) As String
            myApp_VBnet1DOut = NullArray
        End If
        Dim Delay As Integer = 1000
        Try : Delay = CInt(Me.myASys_SimSpeed) : Catch e As Exception : End Try
        If Delay = -1 Then Delay = 1000
        ' Thisasm is using 2 unit delays
        Delay = 2 * Delay + RandomIntegerNumber(Delay / 2, 0)
        Me.myASys_SimSpeed = Delay
    End Sub
End Class

```

ATest™ Has A Powerful Sequence Editor/Debugger



ATest™ Details

[Return](#)

ASeq Execution

ASeq: IO_Drop To Stopped

During Execution,
Sequences May Be Single
Stepped With Breakpoints
For Easy Debugging.

▶ ▶1 X

Debug Simulation SimSpeed Stop Testing

Test Status

Measured Value

Limits

ATestType = ATest String
Timeout = -1
Simulation =
SimSpeed = -1
Default = 4455

Backplane Locals [16]

Name	Value
ASys_AnagonTask	AMACSS
ASys_Centricity	UUTID
ASys_FloorID	
ASys_NeedToConnect	True
ASys_NeedToDisconnect	
ASys_NeedToIdentify	True
ASys_NeedToScan	False
ASys_OperatorID	Anagon
ASys_ProcessStepID	IO_Prep
ASys_ProductionStatus	
ASys_SequenceDone	
ASys_SimSpeed	1100
ASys_Simulation	-1
ASys_Timeout	-1
ASys_UUTID	1003
ASys_WorkstationID	

During Execution, Automatic
Watch Windows Capture Runtime
Status And Local Variable Values.

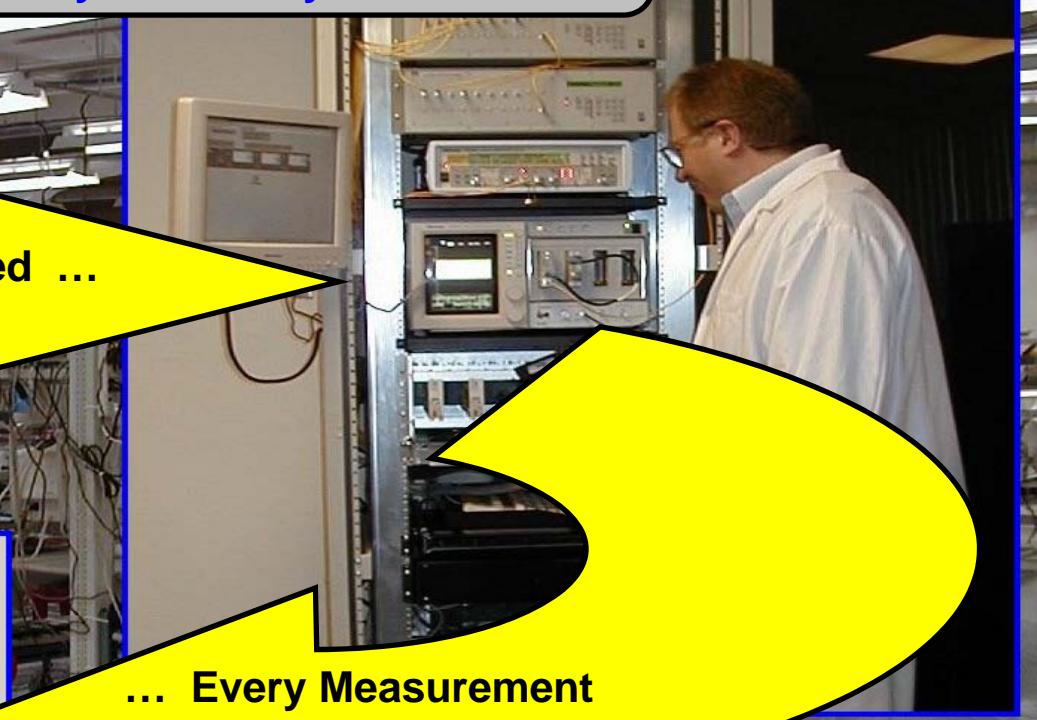
Design Is UNCHANGED Execution Is STOPPED Acquire UUTID Version = 12345

ATest™ Details



The ATest™ Environment Helps You Get To Floor Deployment As Quickly And Easily As Possible!

As Each Unit Is Tested ...



**Acquire Prompt = >
Measure Test Points**

Test Point TP11 = 4.206424

Test Point TP06 = 13.16721

Test Point TP21 = 42.38121

Test Point TP23 = 21.17937

Test Point TP18 = 9.048774

Program EEPROM

... Every Measurement
Can Be Saved !!