

# Ansur

## Software DE AUTOMATIZACIÓN DE ENSAYOS



### Descripción

El software de automatización de ensayos es la solución digital principal para los profesionales de aseguramiento de calidad para maximizar la productividad, incrementar la rentabilidad, mitigar los riesgos y gestión de conformidad con regulaciones. Esta plataforma productiva estandariza el trabajo y reduce el tiempo de ensayo para incrementar la eficiencia operacional y reducir los errores humanos en el aseguramiento de calidad regulador y ensayos de mantenimiento preventivo.

Ansur ofrece la habilidad de ensayar simultáneamente múltiples dispositivos y evaluar resultados pasa/no pasa contra límites de ensayo para la conformidad a normas de seguridad y el protocolo de aseguramiento de la calidad específico del hospital. Los resultados de los ensayos son capturados electrónicamente y guardados digitalmente en registros con control de versión en CMMS o bases de datos alternativas. Los datos digitales pueden entonces ser utilizados para análisis de tendencias para predecir las necesidades de servicio, minimizar los tiempos de parada, y aportar justificación para un único programa de mantenimiento preventivo que cumpla con los requerimientos de los grupos de estandarización mundiales como JACHO (Joint Comisión on Accreditation of Healthcare Organizations).

### Características principales

- Proporciona un mantenimiento preventivo documentado, estandarizado y rápido del equipamiento médico
- Guarda electrónicamente los protocolos de ensayo para eliminar la dependencia de los manuales de servicio
- Asegura que los procedimientos de ensayo y el tiempo son uniformes y así previsible tanto para la disponibilidad de uso como las plantillas de ensayo personalizadas
- Completa automáticamente documentos requeridos para asegurar el cumplimiento de regulaciones
- Guía a los usuarios paso a paso en el proceso de ensayo para minimizar la dependencia de entrenamientos
- Permite la utilización de fotografías personalizadas, ilustraciones y gráficos para facilitar el ensayo adecuado con facilidad
- Reduce el tiempo de ensayo por dispositivo médico, ensaya múltiples dispositivos simultáneamente y realiza múltiples ensayos de mantenimiento preventivo en un solo procedimiento
- Evalúa simultáneamente los resultados con pasa/no pasa contra límites de ensayo específicos
- Guarda electrónicamente los registros de ensayo completos con control de la versión y datos en CMMS o otras bases de datos a elección en formato XLM estándar
- Permite la trazabilidad fácil de los datos con archivos electrónicos y la impresión de registros detallados
- La extracción de los datos ofrece la capacidad de informar y analizar tendencias

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## Specifications

<b>PC requirements</b>	64 MB RAM
	50 MB unused hard drive space for software
	IBM® PC/XT compatible Pentium266 MHz or faster processor
	Hard drive space for result and template files
	32-bit Microsoft Windows® operating system (2000/XP/Vista)
	RS-232 ports or USB-RS-232 adapter
<b>Other requirements</b>	License key for each Fluke Biomedical or Metron simulator/analyzer plug-in
	One or more Ansur-compatible Fluke Biomedical or Metron simulators/analyzers

## Return on investment example: U.S. hospital electrical safety testing

<b>Medical facility</b>	
<b>We ask you</b>	
How many devices do you perform maintenance on annually?	14000
How many of these devices do you perform electrical safety tests on?	1000
How many of these devices are tested once per year for electrical safety?	900
How many of these devices are tested twice per year for electrical safety?	95
How many of these devices are tested more than twice per year for electrical safety?	5
How many times approximately are these devices tested per year?	3
How many devices per year do you test for electrical safety upon incoming inspection?	200
<b>Electronic testing</b>	
The average time for one electrical safety test, when done manually (push button based) is (minutes)	5
The average time for one electrical safety test when performed with Ansur Test Automation (template based) (30 % savings assumed) (minutes)	3.50
<b>Documentation</b>	
Do you document the test results on pen/paper?	No
If so, how much time does it take to document test results for each electrical safety test (minutes)	5
Do you type or scan the test results directly on a computer/pda?	Yes
If so, how much time does it take to type/scan and document test results for each electrical safety test (minutes)	—
Do you electronically transfer data from test instruments to your database or computer?	No
Time it takes to document one electrical safety test using Ansur (minutes)	1
Ansur time savings associated with each electronic test result generating or transfer	4
<b>Annual time savings (minutes)</b>	
Total documentation time savings	5220
Total electronic test time savings	1957.5
Total annual time savings	7177.5
<b>Annual monetary savings (U.S. dollar)</b>	
What is your hourly billable rate (this would be the per hour rate that you would charge the hospital or clients for you biomedical services—we suggest a rate of approximately \$85/hour based on industry average—this rate includes salary, benefits and overhead expenses)	\$85
Documentation savings	\$7,395
Electronic test savings	\$2,773
<b>Total annual electrical safety PM monetary savings</b>	<b>\$10,168</b>

“We used Ansur to create test sequences that match service manual procedures so every inspection is done the same way every time. We improved quality and uniformity by creating standard work.”

- Robert Dorrian, TBS U.K. Telematic & Biomedical Services Ltd. Hope Hospital



## Ordering information

### Item numbers/Descriptions

**2462982** Ansur Test Executive

### Plug-Ins available

Purchase the modules you need, and then add modules as you acquire new Fluke Biomedical analyzers and simulators.

**2755836** BP Pump 2

**2556755** ESA601

**3454829** ESA612

**3116463** ESA620

**2817641** Impulse 4000

**3091370** Impulse 6000D/7000DP

**2461775** QA-40M/45

**2463016** QA-90

**2462644** QA-1290

**2461802** QA-ES

**2461979** QA-IDS/lagu

**2463002** QA-ST

**2462024** QA-VTM

**2817226** QED 6

**3337356** TNT 12000

### Test automation bundles available

Purchase modules along with the Fluke Biomedical instrument of choice.

**3319736** QA-ES US 115 V with Test Automation

**3319749** QA-ES SHK 230 V with Test Automation

**3319751** QA-ES UK 230 V with Test Automation

**3319760** QA-ES AUS 230 V with Test Automation

**3319772** QA-ES JPN 100 V with Test Automation

**3326874** Impulse 7000DP US with Test Automation

**3326888** Impulse 7000DP SHK with Test Automation

**3326895** Impulse 7000DP UK with Test Automation

**3326901** Impulse 7000DP JPN with Test Automation

**3326912** Impulse 7000DP AUS with Test Automation

**3326920** Impulse 7000DP IN with Test Automation

**3481039** Impulse 7000DP US 120 V with Impulse

7010 and Test Automation

**3481042** Impulse 7000DP SHK 230 V with Impulse

7010 and Test Automation

**3481056** Impulse 7000DP UK 230 V with Impulse

7010 and Test Automation

**3481074** Impulse 7000DP JPN 230 V with Impulse

7010 and Test Automation

**3481088** Impulse 7000DP AUS 230 V with Impulse

7010 and Test Automation

**3326935** ESA620 US 115 V 20A with

Test Automation

**3326947** ESA620 EUR 230 V with Test Automation

**3326958** ESA620 FR 230 V with Test Automation

**3326964** ESA620 ISR 230 V with Test Automation

**3326986** ESA620 AUS 230 V with Test Automation

**3326999** ESA620 SWI 230 V with Test Automation

**3327002** ESA620 UK 230 V with Test Automation

**3527023** ESA620 THAI 230 V with Test Automation

**3327025** Lagu 2 Channel with Test Automation

**3334732** ESA601 AUS 230 V with Test Automation

**3334744** ESA601 DEU 230 V with Test Automation

**3334759** ESA601 FRA 230 V with Test Automation

## Ordering information cont.

**3334767** ESA601 ITA 230 V with Test Automation  
**3334771** ESA601 ISR 230 V with Test Automation  
**3334780** ESA601 SHK 230 V with Test Automation  
**3334798** ESA601 UK 230 V with Test Automation  
**3334800** ESA601 IEC 115 V with Test Automation  
**3334817** ESA601 AAMI 115 V with Test Automation  
**3334821** BP Pump 2L NIBP US 120 V with Test Automation  
**3334839** BP Pump 2l NIBP AUS 250 V with Test Automation  
**3334842** BP Pump 2L NIBP DEN 250 V with Test Automation  
**3334856** BP Pump 2L NIBP SHK 250 V with Test Automation  
**3334863** BP Pump 2L NIBP ISR 250 V with Test Automation  
**3334874** BP Pump 2L NIBP ITAL 250 V with Test Automation  
**3334888** BP Pump 2L NIBP IND 250 V with Test Automation  
**3334895** BP Pump 2L NIBP SWZ 250 V with Test Automation  
**3334901** BP Pump 2L NIBP UK 250 V with Test Automation  
**3334912** BP Pump 2M NIBP US 120 V with Test Automation  
**3334920** BP Pump 2M NIBP AUS 250 V with Test Automation  
**3334935** BP Pump 2M NIBP DEN 250 V with Test Automation  
**3334947** BP Pump 2M NIBP SHK 250 V with Test Automation  
**3334958** BP Pump 2M NIBP ISR 250 V with Test Automation  
**3334964** BP Pump 2M NIBP ITAL 250 V with Test Automation  
**3334973** BP Pump 2M NIBP IND 250 V with Test Automation  
**3334986** BP Pump 2M NIBP SWZ 250 V with Test Automation  
**3334999** BP Pump 2M NIBP UK 250 V with Test Automation  
**3335538** TNT 12000 with Test Automation  
**3340639** TNT 12000WD with Test Automation  
**3460932** ESA612 US 115 V with Test Automation  
**3531167** ESA612 NA 220 V with Test Automation  
**3460959** ESA612 EUR 230 V with Test Automation  
**3460944** ESA612 FR 230 V with Test Automation  
**3460967** ESA612 ISR 230 V with Test Automation  
**3460971** ESA612 AUS 230V with Test Automation  
**3460980** ESA612 UK 230 V with Test Automation  
**3460998** ESA612 SWI 230V with Test Automation  
**3461001** ESA612 THAI 230V with Test Automation  
**3462285** ESA612 JPN 230V with Test Automation

### About Fluke Biomedical

Fluke Biomedical is the world's leading manufacturer of quality biomedical test and simulation products. In addition, Fluke Biomedical provides the latest medical imaging and oncology quality-assurance solutions for regulatory compliance. Highly credentialed and equipped with a NVLAP Lab Code 200566-6 accredited laboratory, Fluke Biomedical also offers the best in quality and customer service for all your equipment calibration needs.

Today, biomedical personnel must meet the increasing regulatory pressures, higher quality standards, and rapid technological growth, while performing their work faster and more efficiently than ever. Fluke Biomedical provides a diverse range of software and hardware tools to meet today's challenges.

### Fluke Biomedical Regulatory Commitment

As a medical test device manufacturer, we recognize and follow certain quality standards and certifications when developing our products. We are ISO 9001 certified and our products are:

- CE Certified, where required
- NIST Traceable and Calibrated
- UL, CSA, ETL Certified, where required
- NRC Compliant, where required

### Fluke Biomedical.

*Better products. More choices. One company.*

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 9/2009 2818380B D-EN-N

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