This document contains diagramatic layouts of all currently available Acquidata Uromac, Gastromac & Anomac Systems manufactured by Neomedix Systems.

Some diagrams are representations and may not accurately depict certain equipment. It is intended as a setup guide only.

This document also contains embedded links within the diagrams to provide enlarged sections for easier viewing of equipment interconnection.

Some of these sections contain photographs of typical models for improved identification.

It is recommended that you use Adobe acrobat version 3.0 reader which is available for free download from the adobe systems web site:

http://www.adobe.com/prodindex/acrobat/readstep.html

Each page is designed to be printed on a laserprinter in **A4 horizontal** (landscape) mode and enlarged to A3 size by photocopier.

If you are using Apple LaserWriter Driver 8.2 or earlier, please ensure **larger print area** is selected in **Page Setup** dialog box.

Please contact Neomedix Systems if you have any problems or suggestions regarding this document or require more detailed information for system setup.

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Uromac Major
Standard Configuration
Document No. NSO1528C

Acquidata Uromac System Cart Setup
- Video Monitor
- Apple Macintosh Computer
- Iomega Zip Drive
- Apple Keyboard
- Apple Mouse
- System Printer
- Neomedix AcquiAmplifier NS01010 & NS01106
- Neomedix AcquiProcessor NS01346
- Storage Space (used for UroVideo option)
- Neomedix AcquiPowerSupply NS01414
- Neomedix UPP01 Power supply
- Iomega ZIP Drive Power supply

Acquidata Uromac Acquipole & Receiving Chamber Setup
- Receiving Chamber NS01102
- Commode Chair 600.393
- Flow Interface NS01395
- Accessory Basket
- Infusion Pump NS01205
- Adjustable Mounting Arm
- Filling Pump NS01120
- Acquipole NS01120
- Fill Volume Transducer NS01110
- Fluid Giving Set
- Transducer Mounting Clamp 600.187
- Transducer Mounting Plate 600.392
- Pves Liquid Filled Pressure Transducer
- Pabd Liquid Filled Pressure Transducer
- Pabd Urethral Profilometer NS01119
- UPP01 Footswitch

Device power cable 800.003 to isolated distribution power supply
- Device DC power cable (non mains)
- DB-15 Video cable for Apple monitor
- ADB cables for Apple Keyboard & Mouse
- Mini DIN-8 Serial cable 600.394 for Printer
- SCSI 25 to 25 pin 800.xxx cable for Apple Macintosh to Iomega ZIP Drive
- SCSI 25 to 50 800.128 cable for Iomega ZIP Drive to Neomedix AcquiProcessor
- Input cable for Qvoid to AcquiAmplifier
- Input cable(s) for Pabd, Pves &/or Pura to AcquiAmplifier
- Input cable for VRH to AcquiAmplifier
- Fluid giving set tube to Peristaltic Filling Pump (also shows clamp block)
- Fluid tube from infusion pump syringe to Pura transducer assembly
- Catheter for Pabd to patient
- Catheter(s) for Pura & Pves (shown with UPP01) to patient
- UPP01 Footswitch Cable
Uromac Major

UroVideo Option

Document No. NSO1672B

Acquidata Uromac System Cart Setup
- Video Monitor
- Apple Macintosh Computer
- Iomega Zip Drive
- Apple Keyboard
- Apple Mouse
- System Printer
- Neomedix AcquiAmplifier NSO1010 & NSO1106
- Neomedix AcquiProcessor NSO1346
- S-VHS Video Recorder (optional)
- Neomedix AcquiPowerSupply NSO1414
- Neomedix UPP01 Power supply
- Iomega ZIP Drive Power supply

Acquidata Uromac Acquipole & Receiving Chamber Setup
- Receiving Chamber NSO1102
- Commode Chair 600.393
- Flow Interface NSO1395
- Accessory Basket
- Infusion Pump NSO1205
- Adjustable Mounting Arm
- Filling Pump NSO1120
- Acquipole NSO1120
- Fill Volume Transducer NSO1110
- Fluid Giving Set
- Transducer Mounting Clamp 600.187
- Transducer Mounting Plate 600.392
- Pves Liquid Filled Pressure Transducer
- Pura Liquid Filled Pressure Transducer
- Pabd Liquid Filled Pressure Transducer
- UPP01 Urethral Profilometer NSO1119
- UPP01 Footswitch

Device power cable 800.003 to isolated distribution power supply
- Device DC power cable (non mains)
- DB-15 Video cable for Apple monitor
- ADB cables for Apple Keyboard & Mouse
- Mini DIN-8 Serial cable 600.394 for Printer
- SCSI 25 to 25 pin 800.xxx cable for Apple Macintosh to Iomega ZIP Drive
- SCSI 25 to 50 800.128 cable for Iomega ZIP Drive to Neomedix AcquiProcessor
- Input cable for Qvoid to AcquiAmplifier
- Input cable(s) for Pabd, Pves &/or Pura to AcquiAmplifier
- Input cable for VFll to AcquiAmplifier
- Fluid Giving set tube to Peristaltic Filling Pump (also shows clamp block)
- Fluid tube from infusion pump syringe to Pura transducer assembly
- Catheter for Pabd to patient
- Catheter(s) for Pura & Pves (shown with UPP01) to patient
- UPP01 Footswitch Cable
- Video output cable from AcquiVideo PCI video card to VCR
- Composite video input 75Ohm cable from I.I. Monitor

For more detail see enlargement

See Clinical Urology Guide for transducer & catheter diagrams

Acquidata Uromac Major Configration Diagram - Acquidata Uromac Major

Drawing No. NSO1672B

File Name NSO1676A

Sheet 1/1

Software Quark Xpress 3.3
**Uromac Median**

**Standard Configuration**

*Document No. NSO1775B*

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**Acquidata Uromac System Cart Setup**

- **Video Monitor**
- **Apple Macintosh Computer**
- **Iomega Zip Drive**
- **Apple Keyboard**
- **Apple Mouse**
- **System Printer**
- **Neomedix AcquiAmplifier NS01010 & NS01106**
- **Neomedix AcquiProcessor NS01346**
- **Neomedix AcquiPowerSupply NS01414**
- **Neomedix UPP01 Power supply**
- **Iomega Zip Drive Power supply**

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**Acquidata Uromac Acquipole & Receiving Chamber Setup**

- Receiving Chamber NS01102
- Commode Chair 600.393
- Pneumatic Interface NS01395
- Accessory Basket
- Infusion Pump NS01205
- Adjustable Mounting Arm
- Acquipole NS01120
- Fill Volume Transducer NS01110
- Fluid Giving Set
- Transducer Mounting Clamp 600.187
- Transducer Mounting Plate 600.392
- Pves Liquid Filled Pressure Transducer
- Pura Liquid Filled Pressure Transducer
- Pabd Liquid Filled Pressure Transducer
- UPP01 Urethral Profilometer NS01119
- UPP01 Footswitch

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**Video Monitor**

- Apple Macintosh Computer
- Iomega Zip Drive
- Apple Keyboard
- Apple Mouse
- System Printer
- Neomedix AcquiAmplifier NS01010 & NS01106
- Neomedix AcquiProcessor NS01346
- Neomedix AcquiPowerSupply NS01414
- Neomedix UPP01 Power supply
- Iomega Zip Drive Power supply

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**Device power cable 800.003 to isolated distribution power supply**

- Device DC power cable (non mains)
- DB-15 Video cable for Apple monitor
- ADB cables for Apple Keyboard & Mouse
- Mini DIN-8 Serial cable 600.394 for Printer
- SCSI 25 to 25 pin 800.xxx cable for Apple Macintosh to Iomega ZIP Drive
- SCSI 25 to 50 800.128 cable for Iomega ZIP Drive to Neomedix AcquiProcessor
- Input cable for Void to AcquiAmplifier
- Input cable(s) for Pabd, Pves & Pura to AcquiAmplifier
- Input cable for VRH to AcquiAmplifier
- Fluid Giving set tube to Peristaltic Filling Pump (also shows clamp block)
- Fluid tube from infusion pump syringe to Pura transducer assembly
- Catheter for Pabd to patient
- Catheter(s) for Pura & Pves (shown with UPP01) to patient
- UPP01 Footswitch Cable
Anomac Median
EMG/NCV Option
Document No. NS01778B

Mains Connection

Configuration Diagram - Acquidata Anomac Median
Drawing No. NSO1778B
File Name NSO1876A
Sheet 1/1
Software Quark Xpress 3.3

All Dimensions in mm
unless otherwise stated.
Do not scale directly from this drawing

Scale N/A
Drawn SW
Checked HBD
TOL N/A

Video Monitor
Apple Macintosh Computer
Iomega Zip Drive
Apple Keyboard
Apple Mouse
Neomedix Remote hand held controller NSO1452
Neomedix Remote footswitch NS0xxxx
System Printer
Neomedix AcquiAmplifier NS01010 & NS01106
Neomedix NT462F EMG Headstage NS01123
Neomedix EMG Speaker NS01124
Neomedix EMG AcquiStim NS01114
Neomedix AcquiProcessor NS01346
Neomedix AcquiPowerSupply NS01414
Iomega ZIP Drive Power supply
Neomedix AcquiStim Power supply

Compressed Medical grade Air Cylinder
First Stage Air Regulator
Control Unit & Second Stage Regulator
Water Reservoir & Filter
Infusion Pump Assembly
Transducer & Distribution Manifold assembly
User Supplied bedside cart, trolley or table

Device power cable 800.003 to isolated distribution power supply
Device DC power cable (non mains)
DB-15 Video cable for Apple monitor
ADB cable for Apple Keyboard & Mouse
Mini DIN-8 Serial cable 600.394 for Apple Printer
SCSI 25 to 25 pin 800.xxx cable for Apple Macintosh to Iomega ZIP Drive
SCSI 25 to 50 600.128 cable for Iomega ZIP Drive to Neomedix AcquiProcessor
Primary Gas line
Secondary Gas line
Fluid Line to Distribution Manifold
Transducer cables to AcquiAmplifier
EMG Remote Footswitch cable

for more detail see enlargement

Acquidata Anomac System Cart Setup

Acquidata Anomac Motility Pump Setup

ADB pass-thru adaptor splits ADB connection between Keyboard & Mouse and the remote controller

Video Monitor
Apple Macintosh Computer
Iomega Zip Drive
Apple Keyboard
Apple Mouse
Neomedix Remote hand held controller NSO1452
Neomedix Remote footswitch NS0xxxx
System Printer
Neomedix AcquiAmplifier NS01010 & NS01106
Neomedix NT462F EMG Headstage NS01123
Neomedix EMG Speaker NS01124
Neomedix EMG AcquiStim NS01114
Neomedix AcquiProcessor NS01346
Neomedix AcquiPowerSupply NS01414
Iomega ZIP Drive Power supply
Neomedix AcquiStim Power supply

Compressed Medical grade Air Cylinder
First Stage Air Regulator
Control Unit & Second Stage Regulator
Water Reservoir & Filter
Infusion Pump Assembly
Transducer & Distribution Manifold assembly
User Supplied bedside cart, trolley or table

Device power cable 800.003 to isolated distribution power supply
Device DC power cable (non mains)
DB-15 Video cable for Apple monitor
ADB cable for Apple Keyboard & Mouse
Mini DIN-8 Serial cable 600.394 for Apple Printer
SCSI 25 to 25 pin 800.xxx cable for Apple Macintosh to Iomega ZIP Drive
SCSI 25 to 50 600.128 cable for Iomega ZIP Drive to Neomedix AcquiProcessor
Primary Gas line
Secondary Gas line
Fluid Line to Distribution Manifold
Transducer cables to AcquiAmplifier
EMG Remote Footswitch cable

for more detail see enlargement

Acquidata Anomac System Cart Setup

Acquidata Anomac Motility Pump Setup
**Anomac or Gastromac Median**

**Standard Configuration**

**Document No. NSOXXXX**

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**Acquidata Anomac/Gastromac System Cart Setup**

- Video Monitor
- Apple Macintosh Computer
- Iomega Zip Drive
- Apple Keyboard
- Apple Mouse
- System Printer
- Neomedix AcquiAmplifier NS01010 & NS01106
- Neomedix AcquiProcessor NS01346
- Neomedix AcquiPowerSupply NS01414
- Iomega ZIP Drive Power supply

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**Acquidata Anomac/Gastromac Motility Pump Setup**

- Compressed Medical grade Air Cylinder
- First Stage Air Regulator
- Control Unit & Second Stage Regulator
- Water Reservoir & Filter
- Infusion Pump Assembly
- Transducer & Distribution Manifold assembly
- User Supplied bedside cart, trolley or table

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Device power cable 800.003 to isolated distribution power supply

- Device DC power cable (non mains)
- DB-15 Video cable for Apple monitor
- ADB cable for Apple Keyboard & Mouse
- Mini DIN-8 Serial cable 600.394 for Apple Printer
- SCSI 25 to 25 pin 800.xxx cable for Apple Macintosh to Iomega ZIP Drive
- SCSI 25 to 50 800.128 cable for Iomega ZIP Drive to Neomedix AcquiProcessor
- Primary Gas line
- Secondary Gas line
- Fluid Line to Distribution Manifold
- Transducer cables to AcquiAmplifier

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**Means Connection**

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For more detail see enlargement

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**Configuration Diagram - Acquidata Anomac/Gastromac Median**

**Drawing No.**

**File Name**

**Sheet**

**Software**

Quark Xpress 3.3

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All Dimensions in mm unless otherwise stated. Do not scale directly from this drawing.

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Scale: N/A

Draw: 06

Marked: N/A

TOL: N/A

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N S O 1 8 7 6 A

3/1
Anomac or Gastromac Median
16 Channel Configuration
Document No. NSOXXXX

Acquidata Anomac/Gastromac System Cart Setup
1. Video Monitor
2. Apple Macintosh Computer
3. Iomega Zip Drive
4. Apple Keyboard
5. Apple Mouse
6. System Printer
7. Neomedix AcquiAmplifier NSO1010 & NSO1010
8. Neomedix AcquiAmplifier NSO1010 & NSO1106
9. Neomedix AcquiProcessor NSO1869
10. Neomedix AcquiPowerSupply NSO1870
11. Iomega ZIP Drive Power supply

Acquidata Anomac/Gastromac Motility Pump Setup
- Compressed Medical grade Air Cylinder
- First Stage Air Regulator
- Control Unit & Second Stage Regulator
- Water Reservoir & Filter
- Infusion Pump Assembly
- Transducer & Distribution Manifold assembly
- User Supplied bedside cart, trolley or table

Mains Connection

Device power cable 800.003 to isolated distribution power supply
- Device DC power cable (non mains)
- DB-15 Video cable for Apple monitor
- ADB cable for Apple Keyboard & Mouse
- Mini DIN-8 Serial cable 600.394 for Apple Printer
- SCSI 25 to 25 pin 800.xxx cable for Apple Macintosh to Iomega ZIP Drive
- SCSI 25 to 50 800.128 cable for Iomega ZIP Drive to Neomedix AcquiProcessor
- Primary Gas line
- Secondary Gas line
- Fluid Line to Distribution Manifold
- Transducer cables to AcquiAmplifier
Apple Macintosh Computer
for Major & Median Systems

This rear panel diagram uses a generic Model Macintosh which contains some features which are not available on the Macintosh supplied with the Median System.

Extra features found on the Macintosh in the Major System are indicated in magenta and are listed below:

- PCI expansion slot(s) (for UroVideo option in Major system)
- Built-in Ethernet port for networking.
- Power outlet connection for Monitor from Computer

Options for both Systems are indicated in blue

SCSI Cable & Connection Notes:

SCSI Devices (Macintosh Computer, Iomega Zip Drive & Neomedix AcquiProcessor) must be OFF when connecting & disconnecting SCSI cables – otherwise electrical damage to SCSI devices will occur.

There are two types of SCSI cables used:

- **D** 25 to 25 pin 800.xxx from Macintosh to Zip Drive
- **E** 25 to 50 pin 800.xxx (not shown) from Zip Drive to AcquiProcessor or from Macintosh to AcquiProcessor if there is no ZIP Drive installed

SCSI devices must have individual SCSI ID numbers as follows:

- Macintosh = 7
- Internal Hard Drive = 0
- Internal CD-Rom = 3
- ZIP Drive = 5 or 6
- AcquiProcessor = 1 or 2 or 4

The maximum combined length for a SCSI chain should not exceed 6 metres. The individual length must be less than 1 metre for reliable operation. SCSI cables must have 110-ohm impedance. Only use certified SCSI cables – NOT 25-pin PC parallel cables.
**Neomedix AcquiAmplifier**

for Standard Configuration

This rear panel diagram uses an Acquidata system which supports some features which are not used in the standard Acquidata Major, Median & Petite systems.

Extra features are indicated in magenta and are listed below:

- Auxiliary inputs 1 & 2 on AcquiAmplifier (not currently used)
- I²C Bus Output on AcquiAmplifier (for auxiliary external modules)
- Digital Input & Output on AcquiProcessor (not currently used)
- Serial Port on AcquiProcessor (slower alternative to SCSI)

Options for Acquidata are indicated in blue

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**Legend:**

1. SCSI 50 Way Terminator
2. Mini DIN-8 to DB-15 Analogue cable
3. I²C Bus Communications cable

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**Neomedix AcquiProcessor**

for Standard Configuration

**SCSI & I²C Connection Note:**

SCSI & I²C Devices must be OFF when connecting & disconnecting cables – otherwise electrical damage to devices will occur.

Please refer to Macintosh setup section of this guide for more information on SCSI.
Neomedix AcquiAmplifier
for 16 Channel Configuration

This rear panel diagram uses an Acquidata system which supports some features which are not used in the standard Acquidata Major, Median & Petite systems.

Extra features are indicated in magenta and are listed below:

- Auxiliary inputs 1 & 2 on AcquiAmplifier (not currently used)
- I²C Bus Output on AcquiAmplifier (for auxiliary external modules)
- Digital Input & Output on AcquiProcessor (not currently used)
- Serial Port on AcquiProcessor (slower alternative to SCSI)

Options for Acquidata are indicated in blue

Legend:
I  SCSI 50 Way Terminator NSOXXXX
II Mini DIN-8 to DB-15 Analogue cable NSO1379
III I²C Bus Communications cable NSOXXXX
IV I²C Bus Communications / Power (split) cable 16H NSO1845A

Neomedix AcquiProcessor
for 16 Channel Configuration

SCSI & I²C Connection Note:

SCSI & I²C Devices must be OFF when connecting & disconnecting cables – otherwise electrical damage to devices will occur.

Please refer to Macintosh setup section of this guide for more information on SCSI.

Legend:
1  SCSI Cable from:
2  I²C Bus
3  SCSI & I²C Devices must be OFF when connecting & disconnecting cables – otherwise electrical damage to devices will occur.
Neomedix AcquiAmplifier
for EMG/Scope & Anomac Configuration

This rear panel diagram uses an Acquidata system which supports some features which are not used in the standard Acquidata Major, Median & Petite systems.

Extra features are indicated in magenta and are listed below:

- Auxiliary inputs 1 & 2 on AcquiAmplifier (not currently used)
- I2C Bus Output on AcquiAmplifier (for auxiliary external modules)
- Digital Input & Output on AcquiProcessor (not currently used)
- Serial Port on AcquiProcessor (slower alternative to SCSI)

Options for Acquidata are indicated in blue

Legend:

1. SCSI 50 Way Terminator
2. Mini DIN-8 to DB-15 Analogue cable
3. I2C Bus Communications cable
4. BNC Stimulator Trigger cable
5. Mini DIN-3 EMG Audio cable

Neomedix AcquiProcessor
for EMG/Scope & Anomac Configuration

SCSI & I2C Connection Note:

SCSI & I2C Devices must be OFF when connecting & disconnecting cables – otherwise electrical damage to devices will occur.

Please refer to Macintosh setup section of this guide for more information on SCSI.

SCSI & I2C Connection Note:

SCSI 50 Way Terminator
Mini DIN-8 to DB-15 Analogue cable
I2C Bus Communications cable
BNC Stimulator Trigger cable
Mini DIN-3 EMG Audio cable