

Introduction

Purpose

This manual provides instructions for performing a TopKAT™ PLUS Manager Tag test transaction. TopKAT PLUS controllers are provided with TopKAT PLUS Manager Tag (M09680B087). The tag enables technicians to perform test transactions to verify the proper integration of the controller and the pump. In addition, the tag helps to open the printer front panel for maintenance purposes such as paper roll replacement.

Figure 1: TopKAT PLUS Manager Tag



Intended Users

This manual is intended for Gasboy®-trained and certified Authorized Service Contractors (ASCs).

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Related Documents

Document Number	Title	GOLDSM Library
MDE-4817	SiteOmat In-House Station Controller Setup and Maintenance Manual	Gasboy Fleet PLUS System
MDE-4818	SiteOmat In-House Station Controller User's Manual	Gasboy Fleet PLUS System

Abbreviations and Acronyms

Term	Description
ASC	Authorized Service Contractor
GOLD	Gilbarco® Online Documentation
OrCU	Orpak™'s Controller Unit
OrPT	Orpak's Payment Terminal

Important Safety Information

Notes: 1) Save this Important Safety Information section in a readily accessible location.

2) Although DEF is non-flammable, Diesel is flammable. Therefore, for DEF cabinets that are attached to Diesel dispensers, follow all the notes in this section that pertain to flammable fuels.

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury, if these safe service procedures are not followed.

Preliminary Precautions

You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.

Emergency Total Electrical Shut-Off

The first and most important information you must know is how to stop all fuel flow to the pump/dispenser and island. Locate the switch or circuit breakers that shut off all power to all fueling equipment, dispensing devices, and Submerged Turbine Pumps (STPs).

 WARNING	
	The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser. This means that even if you activate these stops, fuel may continue to flow uncontrolled.
	You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not the console's ALL STOP and PUMP STOP or similar keys.

Total Electrical Shut-Off Before Access

Any procedure that requires access to electrical components or the electronics of the dispenser requires total electrical shut off of that unit. Understand the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gasboy equipment.

Evacuating, Barricading and Shutting Off

Any procedure that requires access to the pump/dispenser or STPs requires the following actions:



- An evacuation of all unauthorized persons and vehicles from the work area
- Use of safety tape, cones or barricades at the affected unit(s)
- A total electrical shut-off of the affected unit(s)

Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call the Gasboy Service Center at 1-800-444-5529. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

Follow the Regulations

Applicable information is available in National Fire Protection Association (NFPA) 30A; *Code for Motor Fuel Dispensing Facilities and Repair Garages*, NFPA 70; *National Electrical Code (NEC)*, Occupational Safety and Health Administration (OSHA) regulations and federal, state, and local codes. All these regulations must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

Replacement Parts

Use only genuine Gasboy replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gasboy replacement parts could create a safety hazard and violate local regulations.

Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes.

Alert Symbol



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazards. Obey safety directives that follow this symbol to avoid possible injury or death.

Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions below must be followed to prevent death, injury or damage to the equipment:



DANGER: Alerts you to a hazard or unsafe practice which will result in death or serious injury.



WARNING: Alerts you to a hazard or unsafe practice that could result in death or serious injury.



CAUTION with Alert symbol: Designates a hazard or unsafe practice which may result in minor injury.

CAUTION without Alert symbol: Designates a hazard or unsafe practice which may result in property or equipment damage.

Working With Fuels and Electrical Energy

Prevent Explosions and Fires

Fuels and their vapors will explode or burn, if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially dangerous vapors in the vicinity of the dispenser or island.

DEF is non-flammable. Therefore, explosion and fire safety warnings do not apply to DEF lines.

Important Safety Information

No Open Fire



Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.

No Sparks - No Smoking



Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuel vapors. Every time you get out of a vehicle, touch the metal of your vehicle, to discharge any electrostatic charge before you approach the dispenser island.

Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Familiarize yourself with Cardiopulmonary Resuscitation (CPR) methods, if you work with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA Lockout/Tagout procedures. If you are not familiar with this requirement, refer to this information in the service manual and OSHA documentation.

Working With Electricity Safely

Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Lockout/Tagout requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Ensure that you clean hands after handling equipment. Do not place any equipment in the mouth.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause cancer.

WARNING

The pump/dispenser contains a chemical known to the State of California to cause birth defects or other reproductive harm.

In an Emergency

Inform Emergency Personnel

Compile the following information and inform emergency personnel:

- Location of accident (for example, address, front/back of building, and so on)
- Nature of accident (for example, possible heart attack, run over by car, burns, and so on)
- Age of victim (for example, baby, teenager, middle-age, elderly)
- Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on)
- Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on)

WARNING



Gasoline/DEF ingested may cause unconsciousness and burns to internal organs. Do not induce vomiting. Keep airway open. Oxygen may be needed at scene. Seek medical advice immediately.

WARNING

DEF generates ammonia gas at higher temperatures. When opening enclosed panels, allow the unit to air out to avoid breathing vapors. If respiratory difficulties develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

WARNING



Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs. Keep airway open. Seek medical advice immediately.

WARNING



Gasoline/DEF spilled in eyes may cause burns to eye tissue. Irrigate eyes with water for approximately 15 minutes. Seek medical advice immediately.

WARNING



Gasoline spilled on skin may cause burns. Wash area thoroughly with clear water. Seek medical advice immediately.

WARNING

DEF is mildly corrosive. Avoid contact with eyes, skin, and clothing. Ensure that eyewash stations and safety showers are close to the work location. Seek medical advice recommended treatment if DEF spills into eyes.

IMPORTANT: Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

Lockout/Tagout

Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start-up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical or other energy, but does not cover electrical hazards. Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

Performing TopKAT PLUS Manager Tag Test Transaction

To perform the TopKAT PLUS Manager Tag test transaction, proceed as follows:

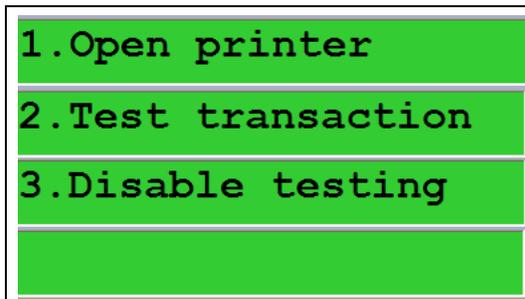
- 1 Open the OrPT reader. The OrPT Welcome screen appears.

Figure 1: OrPT Welcome Screen



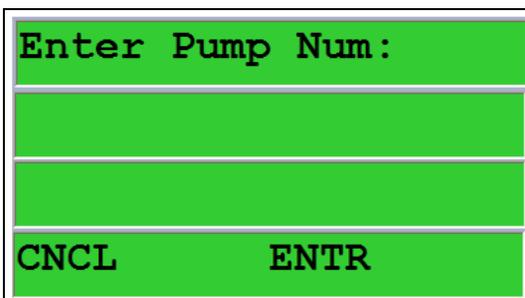
- 2 Place the tag on the Orpak's Payment Terminal (OrPT) reader. The Manager screen appears.

Figure 2: OrPT Manager Screen



- 3 On the OrPT Manager screen, press **2** on the keypad and press **OK**. The OrPT Pump Selection screen appears.

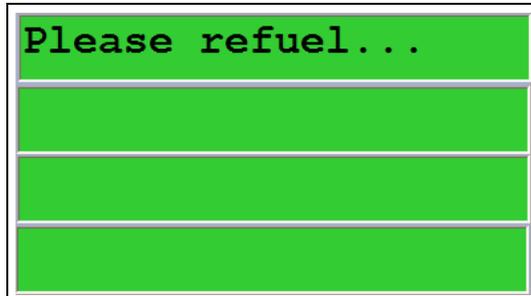
Figure 3: OrPT Pump Selection Screen



- On the OrPT Pump Selection screen, enter the pump number and press **ENTR**.

The fueling is authorized and the following screen appears.

Figure 4: OrPT Refueling Screen



- Lift the nozzle and refuel.
- Verify that the transaction details on SiteOmat Pump Status screen matches with the actual transaction.

Figure 5: SiteOmat Pump Status Screen

The screenshot shows the 'Pump Status - SiteOmat' interface. It features a navigation menu on the left with options like Status, Reports, and Setup. The main area displays eight pumps (1-8) with their respective USD and gallon readings. Below this is a transaction history table.

Date	Time	Transaction	Receipt	Employee/Vehicle	Odometer	Sale (Dollars)	Quantity (gallon)	PPV	Fuel Type	Pump	Nozzle	Density (kg/m ³)
09/26/11	15:05:53	300000094	131	AutoAuth		0.59	1.07	5.55	Super	2	1	0.00
09/25/11	15:26:15	300000093	129	AutoAuth		0.85	1.54	5.55	Super	2	1	0.00
09/25/11	15:01:55	300000092	127	AA_White		0.34	1.05	3.33	Diesel	1	1	0.00
09/25/11	15:01:15	300000091	126	AA_White		0.34	1.03	3.33	Diesel	1	1	0.00
09/25/11	14:04:32	300000090	124	AA_White		2.96	6.68	4.44	Regular	1	2	0.00
09/25/11	14:03:37	300000089	123	AA_White		0.26	0.80	3.33	Diesel	1	1	0.00
09/25/11	14:01:02	300000088	122	AA_White		1.55	2.80	5.55	Super	1	3	0.00

At the bottom, there is an alarm notification: 'Alarms 09/27/11 10:44:25 exceptional Communication Failed'. The system name is 'Asylum' and the location is 'Tank 3'.

Note: For more information on SiteOmat, refer to MDE-4818 SiteOmat In-House Station Controller User's Manual.

Disabling the Test Transaction Option

After testing the unit, the technician can disable the Test Transaction option. In this case, the system cleans all test transactions, initializes all counters in the database, and deactivates the test transaction option.

If the manager tag is presented after disabling the option, the system automatically opens the printer front panel. For more information, refer to [“Opening the Printer Front Panel”](#).

To disable the test transaction option, proceed as follows:

- 1 Place the tag on the OrPT reader. The Manager screen appears (see [Figure 4 on page 6](#)).
- 2 Press 3 on the keypad and press **OK**. The OrPT Welcome screen appears (see [Figure 1 on page 6](#)).

*Note: The Manager screen on the OrPT can be reactivated by selecting the **Activate Manager tag** checkbox on SiteOmat’s Station Parameters dialog box. Go to **Setup > Advanced Mode > Global > Advanced**. For more information on SiteOmat, refer to *MDE-4817 SiteOmat In-House Station Controller Setup and Maintenance Manual*.*

Opening the Printer Front Panel

To open the printer front panel for maintenance purposes such as paper roll replacement, proceed as follows:

Note: In case the Test Transaction option gets disabled, follow instructions in [“Disabling the Test Transaction Option”](#). The printer front panel gets automatically unlocked after placing the tag to the OrPT reader.

- 1 Place the tag to the OrPT reader. The Manager screen appears (see [Figure 4 on page 6](#)).
- 2 Press 1 on the keypad and press **OK**. The front panel lock is unlocked and the buzzer plays a sound to confirm.
- 3 Press the printer front panel and open the panel.

Appendix A: OrTOP Test Instructions for MIFARE®

This section describes the OrTOP test instructions for issuing MIFARE.

Preparing OrTOP's Orpak's Controller Unit (OrCU)

To prepare OrTOP's OrCU, proceed as follows:

- 1 Connect unit to power.
- 2 Open Internet Explorer® and navigate to <https://192.168.1.104>. Enter the following credentials:

Note: The user and password provided is case-sensitive.

User	Admin
Password	Admin

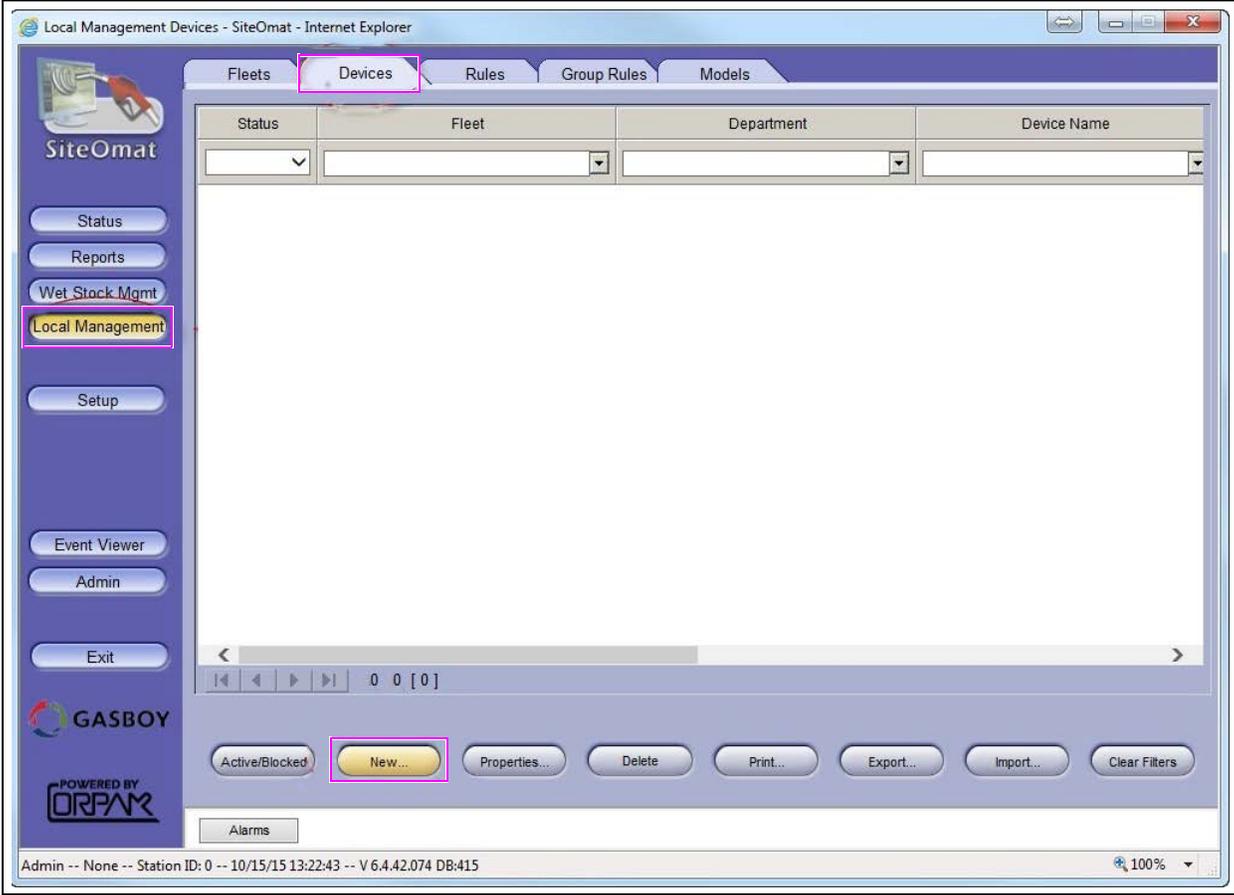
- 3 Close the station wizard.

Issuing MIFARE

To issue MIFARE, proceed as follows:

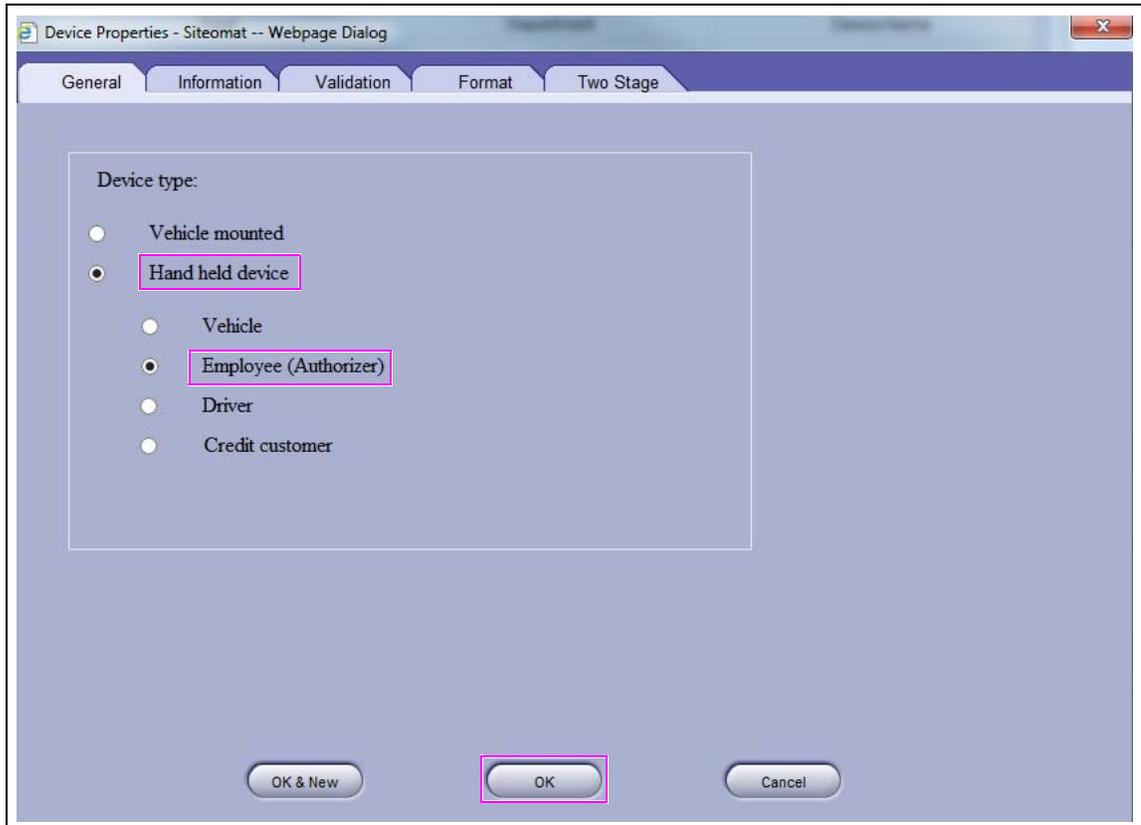
- 1 Click **Local Management**, click **Devices** > **New**.

Figure 6: Devices Tab Screen



- 2 On the **General** tab, select **Hand held device** and then select **Employee (Authorizer)** option.
- 3 Click **OK**.

Figure 7: General Tab Screen



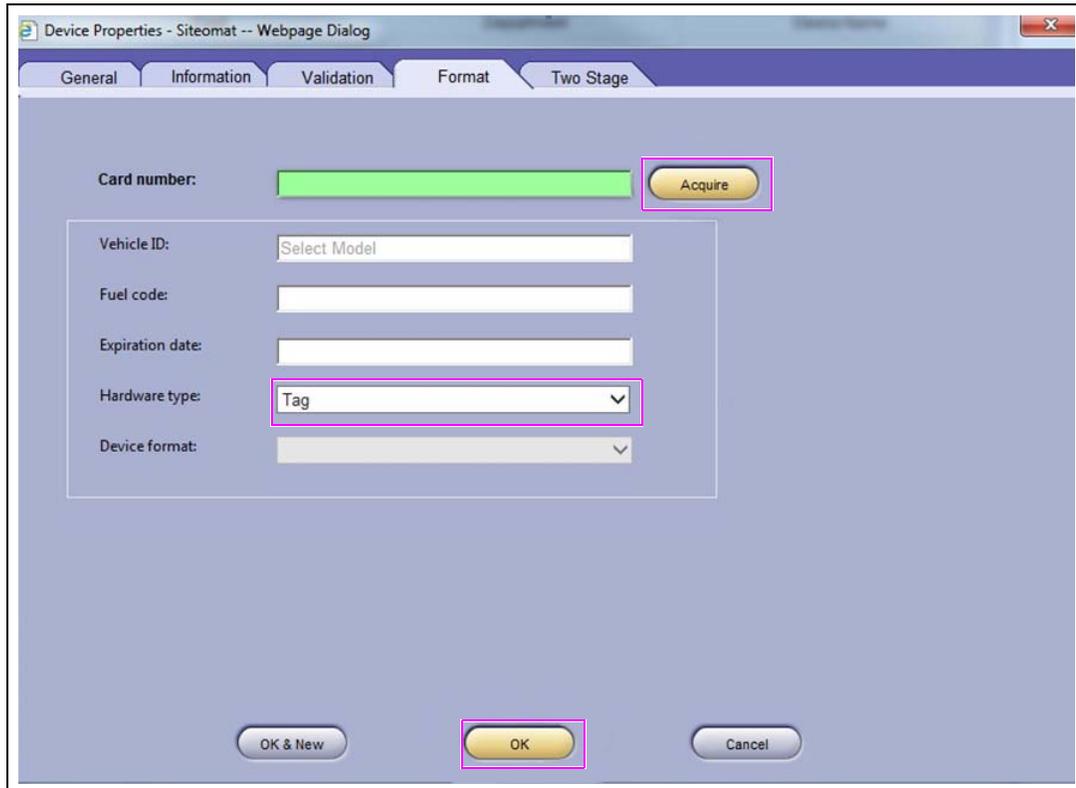
- 4 On the **Information** tab, type “Station manager tag” in the Name field. Select **Shift Manager** and click **OK**.

Figure 8: Information Tab Screen

The screenshot shows a web-based dialog box titled "Device Properties - Siteomat -- Webpage Dialog". The "Information" tab is active. The "Name" field contains the text "Station manager tag". The "Group Rule" dropdown menu is set to "No Restriction". Under the "Type" section, three radio buttons are visible: "Attendant", "Shift Manager" (which is selected), and "Delivery". The "Pump" dropdown menu is set to "All". The "Address" field is empty. At the bottom of the dialog, there are three buttons: "OK & New", "OK", and "Cancel". The "OK" button is highlighted with a red box.

- 5 On the **Format** tab, place the tag close to the OrPT and click **Acquire**.
- 6 Verify the tag number in the Card number field (green box). Select **Tag** in the Hardware type drop-down list and click **OK**.

Figure 9: Format Tab Screen



Note: If the OrCU is disassembled from OrTOP, type the MIFARE number in the Card number field instead of acquiring.

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