



PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

## SANITARY WARE SPECIFICATION SHEET

Item Descriptions	Stern (Israel) "Elite" Chrome plated deck mounted sensor faucet in 9V DC Supply with <b>IP67 waterproof battery box</b>
Model	Elite B
Code Number	236300
Finish	Chrome Plated
Supplier	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012
E-mail	acme@acmesanitary.com.hk
Website	www.acmesanitary.com.hk

**ELITE B**  
**Ref # 236300**

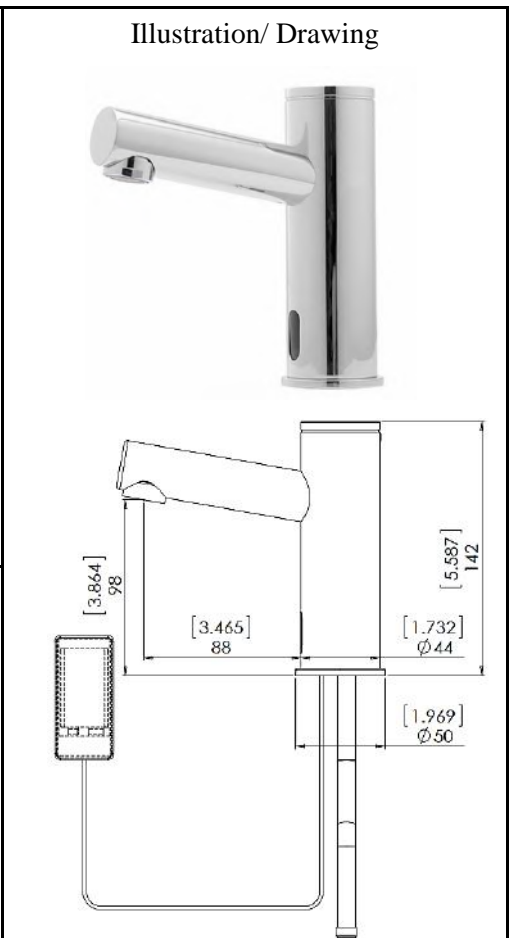
Touch-free electronic faucet for deck-mounted installations. Activated by an infrared sensor. For cold or premixed water. Filter included. Chrome plated body, other finishes available. Includes a low battery indicator. Latching solenoid valve is located above deck inside the product for added vandal protection. regular faucet Installation with simple battery connection. Adjustable setting by remote control: sensor range, security time, delay in, delay out, on-off and reset to factory setting. 24 hours mandatory hygiene flush available upon request

**Application:**  
Deck-mounted faucet. Combining an elegant minimalist design with anti-vandal features. Easy installation. Long lasting even in the harshest installation sites. Helps washrooms to stay clean and saves water. Prevents cross contamination. Ideal for stadiums, train and bus stations and highway rest stop.

**Use:**  
Touch-free electronic faucet. The faucet is activated automatically when users place their hands n the sensor range and stops when the users remove their handss.

PART NUMBER	DESCRIPTION	POWER SUPPLY	TO BE SPECIFIED
236300	ELITE B	Battery operated	<input type="checkbox"/> Spout length 138mm \ 5.44" <input type="checkbox"/> Tall body 338mm \ 13.30"
236400	ELITE E	Transformer Operated	<input type="checkbox"/> Spout length 138mm \ 5.44" <input type="checkbox"/> Tall body 338mm \ 13.30"

PRODUCT AT A GLANCE		OPTIONS	
Installation	Lavatory mounted. External Battery Box with 9V Alkaline Battery.	PRODUCT NAME	PART NUMBER
Power source	IP67 Battery Box including con 6 AA, 1.5V alkaline batteries. 9V Transformer. IP 68 Encapsulated 9V Transformer.	Remote control for adjusting settings	07100005
Recommended Pressure	0.5-8.0 bar / 7-116 PSI 6 LPM / 0.5 GPM	Soap dispenser combination battery operated	236100
Water flow	Other options: • 1 GPM / 3.78 LPM • 1.58 GPM / 6 LPM • 2.1 GPM / 8 LPM	Soap dispenser combination transformer operated	236110
Security Time	90 seconds. Adjustable by using remote control		
Water temperature	70 °C Maximum		



- Installation:**  
Lavatory mounted
- Water supply:**  
Cold or premixed water (1 inlet)
- Water temperature:**  
Max 70 °C
- Operating pressure:**  
0.5 - 8.0 bar
- Power source:**  
9V Alkaline battery
- Stern Soap & Water:**  
Elite matching soap dispenser
- Lead free:**  
Elite B AB1953



\* All information of the above is for the reference only. No prior notice is made if any changes.



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檔號  
Reference (8) in WSD 3321/16 Pt.1 T/J(747)

3 November 2017

### Approval of "STERN" Sensor Tap

Your letters ref. HX/W/2279/17, HX/W/3163/17, HX/W/3786/17 and HX/W/3942/17 dated 19 June 2017, 25 August 2017, 10 October 2017 and 20 October 2017 respectively refer.

Having considered the test report ref. 155629ST170041(1)C issued on 4 October 2017 by Fugro Technical Services Limited, this Authority accepts that the fitting described below complies with, and its use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

**Name of Manufacturer:** Y Stern Engineering (1989) Ltd

**Country of Origin:** Israel

**Brand:** Stern

**Details of Fitting:** 3/8" Electronic sensor tap with flexible hose under WRAS approval no. 1707355

**Model:** Elite B

**Body Markings:** Stern

**Expiry Date:** 16 May 2022

This Authority hereby permits the use of the above fitting in fresh water plumbing systems subject to full adherence to Waterworks installation requirements. In particular, you are required to draw your customers' attention to the following requirement-

"A stop cock or gate valve must be installed at the upstream of the fitting for manual isolation of water supply." AND

"The main voltage operated sensor valve should comply with the electricity safety regulation for applications in bathroom, toilet etc."

A condition of this acceptance is that the fitting to be installed shall be replicas of the sample as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fitting installed fail to meet that of the approved sample or if the fitting is found to be unsuitable for use in fresh water plumbing systems.

This acceptance is only applicable to the main body of the fitting, unless other specified.

For the use of the fitting in any project, the Acceptance Reference Number at the bottom of this letter must be quoted as a means of identification of acceptance of the fitting by this Authority.

Should you have any enquiries, please contact our Engineer Mr Terry KUNG at tel. no. 2294 2656.

Yours faithfully,

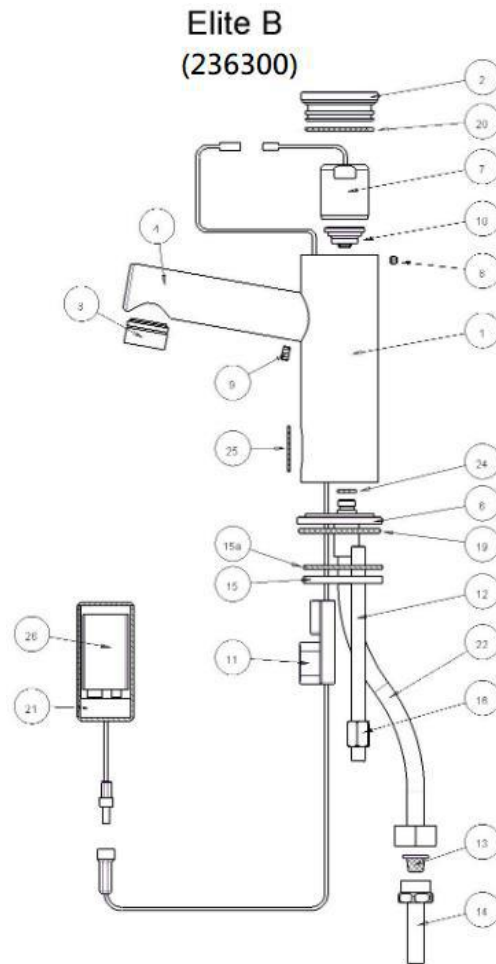


(CHAN Chung Kun)  
for Water Authority

c.c. WSD 3321/1/82 ] - without catalogue  
ME/MC ] - with soft copy only



## SPARE PARTS LIST



Quantity	Part Number	Description	Cat. No.
	-	<b>Seals and Screws Kit</b>	<b>07210007</b>
1	20	O-ring	
1	19	O-ring	
1	15a	Gasket	
1	8	Screw	
1	9	Screw	
1	25	O-ring	
	-	<b>Sensor Kit</b>	<b>07220184</b>
1	11	Infra Red Sensor	
1	25	O-ring	
	-	<b>Filter Adapter Kit</b>	<b>07212001</b>
1	13	Filter	
1	14	Nipple	
	-	<b>Cover Kit</b>	<b>07270003</b>
1	2	Cover	
1	20	O-ring	
	-	<b>Solenoid Valve Kit</b>	<b>07230018</b>
1	7	Solenoid valve	
1	10	Diaphragm	
	<b>10</b>	<b>Diaphragm</b>	<b>04500001</b>
	<b>21</b>	<b>Battery Box</b>	<b>06530018</b>
	<b>21</b>	<b>IP 67 Battery Box</b>	<b>06530019</b>

**Note:** In order to locate the relevant spare part, please check the corresponding parts and part number in the drawing. Minimum order quantity will be required.

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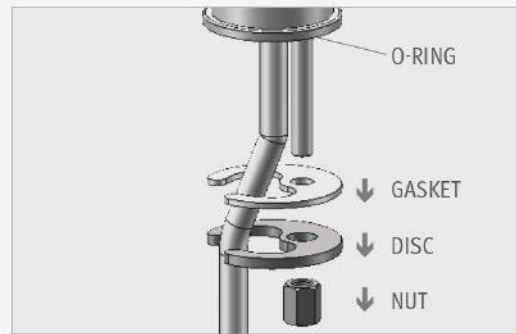
## INSTALLATION

### STEP 1 – PREPARATION FOR MOUNTING THE FAUCET

**1** Shut off the water supply.

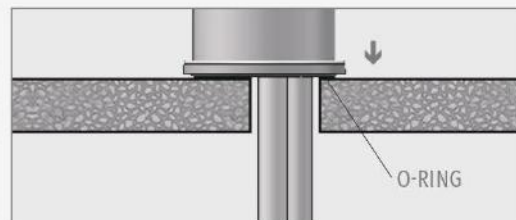


**2** Remove the hexagonal nut, the disk and the gasket. Do not remove the O-ring from the base of the faucet.

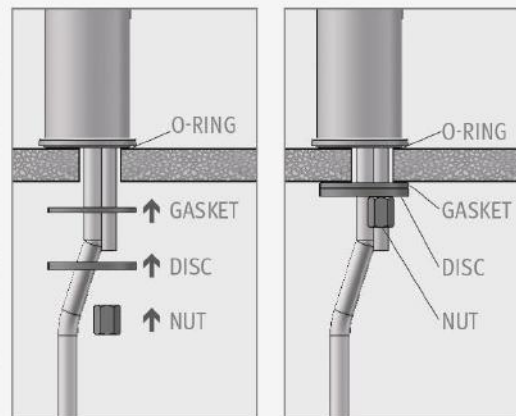


### STEP 2 – INSTALLING THE FAUCET

**1** Place the faucet with O-ring into the hole in deck or lavatory. Make sure the O-ring is located between the deck or lavatory and the bottom of the faucet.



**2** Slide the gasket, disk and hexagonal nut over the flexible hose and secure the faucet into place.





## INSTALLATION

### STEP 3 – CONNECTING THE WATER SUPPLY

1

Connect the flexible pipe to the water supply.

*For models with temperature control connect the red flexible pipe to the hot water supply and the blue flexible pipe to the cold water supply.*



**MAKE SURE THAT THE FILTER(S) IS/ARE INSTALLED BETWEEN THE FLEXIBLE PIPE AND THE SHUT OFF VALVE (ANGLE VALVE) (NOT SUPPLIED).**

2

Turn on the central water supply and the shut-off valves (angle valves) and check for leaks.



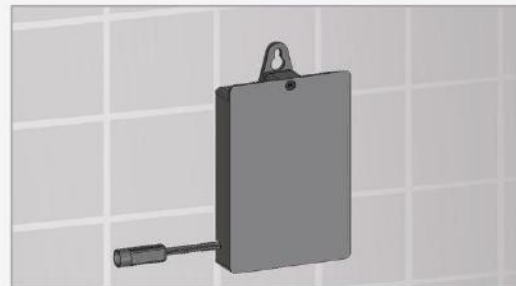


## INSTALLATION

### STEP 4 – CONNECTING THE POWER SOURCE

#### BATTERY VERSION

Install the battery box at the wall underneath the sink using the two sided adhesive foam tape. The cable connection must point down. (You can use an optional extension cable in order to assemble the battery box up to 10ft. away from the sink.)



1

#### TRANSFORMER VERSION

Plug the transformer into the electricity socket and connect the connectors.



2

In order to avoid entering into the adjusting mode, wait 10 seconds before operating the faucet. If the range is unsatisfactory, refer to the section titled “settings adjustment.



ABOUT  
**10**  
SECONDS

NOTE: This model includes a special aerator that allows you to adjust the water stream direction on site in order to prevent water splashing if needed. To change the angle of the water stream, simply move the adjustable tilting plate by pressing it smoothly.

**ATTENTION!** the aerator is tightened to prevent removal by hand.





## TROUBLESHOOTING

PROBLEM	INDICATOR	CAUSE	SOLUTION
No water coming out of the faucet:	1. Sensor flashes continuously when user's hands are within the sensor's range.	Low battery.	Replace battery
	2. LED in the sensor does not flash once when user's hands are within the sensor's range.	1. Range is too short.	Increase the range
		2. Range is too long.	Decrease the range
	3. LED in the sensor flashes once when user's hands are within the sensor's range.	3. Battery is completely used up	The battery must be replaced.
		4. Unit is in "Security Mode"*	
5. Sensor is picking up reflections from the washbasin or another object.		Eliminate cause of reflection.	
Water flow from spout does not stop:	1. Sensor flashes once when user's hands are within the sensor's range.	1. Connectors between the electronic unit and solenoid are disconnected.	Connect the electronic unit connectors to the solenoid.
		2. Debris or scale in solenoid.	Unscrew solenoid, pull out the plunger and the spring from the solenoid and clean them. Use scale remover material if needed. When replacing the plunger, please make sure that the spring is in vertical position.
		3. The central orifice in the diaphragm is plugged or the diaphragm is torn	Clean the orifice or replace diaphragm.
		4. The water supply pressure is higher than 8 bar.	Reduce the supply water pressure.
		5. The water supply pressure is under 8 bars and yet the pressure in the faucet's body is higher. This situation could be caused by a sudden increase in the water supply pressure that the back check prevents from dropping, even after water supply pressure drops under 8 bars.	Shut off water supply and unscrew one of the flexible pipes in order to reduce the pressure that blocks the product.
Water flow diminished	2. LED in the sensor does not flash once when user's hands are within the sensor's range.	1. Sensor is dirty or covered.**	Clean or eliminate cause of interference.
		2. Sensor is picking up reflections from the washbasin or another object.	Decrease the range or eliminate cause of reflection.
Water flow diminished		Filter or aerator is clogged	Remove, clean, re-install

\* "Security Mode": If the sensor is covered for more than 90 sec. the faucet will automatically shut off water flow. To return to normal operation remove any blockage.

\*\* In this case, the water flow will stop anyway after 90 seconds because of the security time.