

COMPANY PROFILE

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In Libya **AL-KHALEJ ALSHARQI** successfully participated in supplying medical equipment, sundries and medicines for the important Department of **ICU, CCU, NICU, NURSERY,**



GAYNECOLOGY, MEDICAL WARD & OPERATION THEATER in different government hospitals and private clinics.

AL-KHALEJ ALSHARQI supplies continuously medical equipment

packages, Reagents, Drugs, Consumables as well as Disposables to all hospital and clinics in Libya whereby **AL-KHALEJ ALSHARQI** represents as their **AGENT and SUPPLIERS** in Libya, highly well known Companies, active in the field of Medical Equipment, Medical high quality Furniture , Laboratory Equipment & Reagents.



NEW SUPPLIERS

- 1) **SOYAGREENTEC:** vacuum blood collection tube
- 2) **CODAN ARGUS:** Infusion and Syringe pump, tubing set, syringe 50ml
- 3) **MGE, UK :** Electro suction machine, Oxygen Therapy, Nebulizer
- 4) **PUREPRO USA:** Water filters
- 5) **ACCU VEIN:** Vein Visualization devices
- 6) **ORTO ALREZA:** Laboratory Centrifuges
- 7) **INFINIUM INC. USA :** Multi-parameter patient monitor, SpO2 devices

Amongst above companies in the field of medical hospital supplies which we represent as suppliers, **Al-khalej Alsharqi** will support the Hospital which the company supplied for training of all end users , maintenance after sale condition including full support from the companies which we represent in Libya.

At your convenience our specialists are prepared to visit the Hospital at any time (a common Practice of **Al-Khalej Alsharqi**) in order to assist your specialists in evaluating the equipment standard.

We are convinced that **Al-Khalej Alsharqi** can successfully contribute to reach the high standards at the Hospitals and Clinics, as foreseen by your esteemed Company for the people of the Libya

Sir, we assure you of our utmost consideration and remain at your entire disposal.



ACCU VEIN : VEIN FINDING TECHNOLOGIES

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AV300 Vein Viewing System



The AccuVein AV300 is a revolutionary tool for locating veins for medical procedures. It is portable and lightweight, weighing only 10 ounces. It is as simple to use as pointing the device at an area of the skin and clicking to see the veins beneath.

At Over 1000 Hospitals...

Vein Illumination is revolutionizing venipuncture with the award winning AccuVein AV300. They know that in venipuncture, you have very little margin for error. Imagine how much more effective you'd be if you could locate the veins beneath the skin.

How Does It Work?

Hemoglobin in the blood absorbs infrared light. When the AccuVein AV300 is held about seven inches above the skin, veins appear noticeably different than the surrounding tissue. The vasculature shows up clearly on the skin's surface, aiding in vein location to collect a blood sample or administer IV medications.



AV300 Portable Vein Finder Is Useful With a Variety of Patients

Nurses know that venipuncture can be particularly challenging in some patients. Those with difficult venous access (DVA) can include:

- **The elderly;**
- **Dark-skinned patients, whose veins may not be visible;**
- **Obese patients, whose veins may not be visible or palpable;**
- **Patients having many diagnostic or therapeutic intravenous procedures;**
- **Burn victims;**
- **Agitated or restless patients;**
- **Oncology patients on chemotherapy;**
- **Drug abusers.**

In fact, finding a suitable vein may pose a challenge on any patient. Nurses who try the AV300 will want to use it to assist with every venipuncture procedure, whether it is to draw blood or for an IV insertion procedure. There's already enough stress on both ends of the needle without having trouble finding a vein. Why not help take the guesswork out of the process?



FEATURES OF THE ACCUVEIN

- POINT AND CLICK.
- SMALL SIZE
- HANDS-FREE OPTION.
- NON-CONTACT.
- WORKS IN LIGHT OR DARK.
- RECHARGEABLE BATTERY.
- REAL WORLD RUGGEDNESS.
- MOVEMENT TOLERANT.



THE COST OF FAILED ATTEMPTS

Of all invasive medical procedures, venipuncture is the most common and these venipuncture attempts can fail. As a result:

- **Blood tests that facilitate diagnosis and patient management may be delayed;**
- **Intravenous therapy may not begin promptly;**
- **Physician intervention to access a difficult vein can erode productivity;**
- **Patients may endure unnecessary needle sticks and additional discomfort;**
- **Stress may increase for both patients and staff.**

For Physicians...

Whether drawing blood specimens or starting IVs, venipuncture is the most commonly performed invasive medical procedure. It is also one that frequently requires additional time and multiple attempts to be successful. In fact, establishing IV access in difficult patients can take up to 10 minutes.

For Emergency Medical Services...

Emergency physicians can treat patients more quickly if they arrive in the Emergency Department with an IV already in place. But in the back of a speeding ambulance, inserting a needle into a vein isn't always easy. Wouldn't it be nice if someone invented a medical device that assisted in pinpointing the location of veins beneath the skin? Someone has; it's the AccuVein AV300..



VACUUM BLOOD COLLECTION TUBE

The features of AMPULAP



- You can have very dependable result with Ampulab that has size and material that NCCLS recommend.
- You can use in any clinical experiment conveniently with all kind of blood collection tube for clinical analysis.
- Ampulab is manufactured for easy work by marking the exact blood quantity on tube label.
- Improved process helps Ampulab for the best vacuum state and additives quantity.
- We minimize any variation during manufacturing by the automation of all process.
- Safety cap helps you from any infection and contamination during blood collection.
- The unbreakable plastic tube of PET material helps your safety for collecting, carrying, storing blood.
- Double layer tube provides more accurate data. (coagulation tube)
- We have own gamma sterilization facility FDA certified.
- Ampulab's tube dimension is optimized for all instruments including TLA system.
- Ampulab has a compact package for delivery and storage



Serum		Serum Plain
Serum (with Gel)		Serum Separation Gel
EDTA		K2 / K3 EDTA
Coagulation		Coagulation (Sodium citrate)
Plasma		Plasma
Plasma (with Gel)		Plasma Separation Gel
Glucose		Glucose
Needle		Multi Sample Needle



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Syringe Pump ARGUS 606

The New A606 S - One Device For Multiple Uses

The A606 S syringe pump includes state-of-the-art technology and continues the long established philosophy of intuitive use. The highly flexible device is available as Basic Version for the use in general care areas or as TIVA (Dose Calculation) Version for intensive care and anaesthesia. An upgrade from Basic to TIVA is possible at any time. The complete ARGUSmedb serves as a safety software tool protecting against medication errors. This medication database allows each care area to define individually its specific medications with soft and hard limits.



Syringe Pump: A606 S Basic or A606 TIVA (Dose Calculation)

Technical data		Remarks
Performance Data		
Application area	standard and intensive care, anaesthesia	TIVA, dose calculation, medication data bank
Dose units	TIVA version: g, mg, µg, ng Basic version: ml/h	per h, min, kg
Infusion rate range	0.1 – 1'100 ml/h	in steps of 0.1 ml/h
Infusion volume (VTBI)	0.1 – 999.9 ml	in steps of 0.1 ml
Infusion time	1 min – 99 h 59 min	in steps of 1 min
Bolus function	manual or automatic	customizable default values and ARGUSrails
Bolus rate	0.1 – 1'100 ml/h	no flow interruption;
Bolus volume	0.1 – 50 ml	depending on syringe size; no flow interruption
Set fill (prime) rate	0.1 – 1'100 ml/h	depending on syringe size
Accuracy	± 2 %	dependent on syringe type
KVO - Keep Vein Open rate	0.1 – 5.0 ml/h	configurable dependent on flow rate range; deactivation possible
History and Interface		
History	1000 events graphically illustrated	extendible by software
Interface	RS-232; Ethernet on request	connectable to PDMS, KIS, etc.; optional: galvanic isolated
Nurse call	connectable to a staff alerting system	24 V / 0.2 A; static or dynamic; potential free change over contact
Operation		
Display	graphic LC display size 100 x 29 mm; pixels 240x64	lightened, automatic dim out, configurable brightness
Menu navigation	intuitive operation	country-specific plaintext; infusion data overview
Menu configuration	ARGUSservice software tool	customized configuration on request
Syringes	all leading brands in sizes of 10 – 50/60 ml	permanently displayed; configurable user syringes
Safety		
Pressure reduction (KVO)	automatic pressure release after occlusion	
Alarms	audible and visual	plaintext and graphically illustrated; see list below
Data-lock	lock of key pad via numerical code	
Occlusion pressure limit	200 – 1200 mbar (mmHg, kPa, cmH2O, Psi)	11 adjustable steps, no flow interruption
Dose error reduction	medication database: 256 medications selectable for download to pump	recording of dose units, default values, ARGUSrails (soft and hard), bolus settings, technical values
Power Supply		
Battery	NiMH	maintenance free
Battery operation	9 h @ 5 ml/h	
Battery charge time	6 h at stand by	without connected interface board
Mains power supply	230 VAC ±10%, 50 – 60 Hz ;	option: 115 VAC ±10%, 50 – 60 Hz
External power supply	18 – 20 VDC / 0.3 A @ 20 VDC	
Power consumption	12 VA maximum	
Product Specification		
Dimensions	320 x 100 x 180 mm (W x H x D)	excluding clamp
Housing	ASA	high performance plastic
Operating/Storage temperature	5° – 40° C / 0° - 40° C	
Relative humidity	20 – 90% no condensation	
Weight with battery	2.2 kg	
Maintenance	safety inspection every 24 months	
Conformity		
IP-Protection	IPX2	protected against dripping, 15° tilted
Protection class	II	
Applied part	Type CF	
MDD classification	IIB	
Regulations + Electrical Safety	EN 60601 (-1-1 / -1-4 / -1-6 / -2-24)	
Electromagnetic compatibility	EN 61000-3 (-2 / -3), EN60601-1-2	
Certification	CE 0120	CODAN ARGUS AG: ISO 9001, ISO 13485, Directive 93/42/EEC
Optional Accessories		
Docking Stations	A100 for 5 syringe or A60 for 3 syringe pumps (plus combinations with infusion pumps)	version M: interface for barcode, staff alert and data transfer version P: power supply only
Fixation systems	multifunctional clamps	to be used on ceiling pole or standard rail systems
IV-Stand	two pole system with extra stability	allows mounting of one A100 and one A60 docking station
Barcoding	barcode reader and label software	to be used with docking stations A100 M or A60 M
Software tools	ARGUSservice ARGUSmedb	configuration program and toolbox Medication database including ARGUSrails

Alarms and pre-alarms:

audible and visual, graphically illustrated, plaintext

occlusion / syringe near empty – empty syringe / pump unused /
syringe size – syringe positioning / end of infusion – infusion ends soon /
low battery – end of battery / entry errors / service / technical failure

Graphic LC display

flow rate / infused volume / volume to be infused / volume balance /
infusion time / remaining time / infusion data at a glance /
battery capacity / occlusion level / syringe type / medication name - units /
pressure bar graph / battery – mains operation / TIVA status



ARGUS INFUSION PUMPS

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This infusion pump is suitable for administering large volumes of medication in all sorts of therapeutic fields. The underlying philosophy makes it intuitive to use, too, and its many possible configurations enable it to fit the needs of the user exactly. Thanks to the well-designed safety concept, personnel will be relieved of supervisory duties.

ARGUS 707 V: for use with the infusion sets of all leading manufacturers

ARGUS 708 V: for use only with the patented CODAN Anti-Free-Flow System

THE CODAN RANGE OF PRODUCTS

1. INFUSION SETS
2. TRANSFUSION SETS
3. EXTENSION LINES AND MANIFOLD CONNECTORS
4. I.V. ACCESSORIES
5. I.V. FILTERS AND FILTER SYSTEMS
6. I.V. CANNULAE
7. PAEDIATRIC PRODUCTS
8. WITHDRAWAL, PREPARATION AND ADMINISTRATION SETS
9. CODAN CYTO®
10. CHEMOPROTECT® PRODUCTS
11. INVASIVE BLOODPRESSURE MONITORING SYSTEMS
12. I.V. PUMPS
13. CONTINENCE CARE PRODUCTS
14. OTHER CODAN SETS



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CODAN INFUSION SYSTEMS

For over 50 years, the name CODAN has stood for reliable and universally applicable infusion systems.

Our innovative development and production, subject to the most stringent quality criteria, guarantees that it will stay that way in the future.



TUBING

Safety first: CODAN has completely ceased using the contentious plasticiser DEHP. The NO DEHP tubing for gravity and pump-driven sets is used by CODAN as standard for all PVC tubing products. PVC tubing is DEHP-free and is suitable for all applications.



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Infusion Pump ARGUS 707 V and 708 V

Technical data	Software 1.3X / *Software 4.3X*	Remarks
Performance Data		
Special application area	neonatal care, blood transfusion, nutrition	
Infusion rate	0.1 – 999.9 ml/h	in 0.1 ml/h steps
Infusion volume (VTBI)	0.1 – 999.9 ml (plus 1000 – 9999 ml)	in 0.1 ml steps (in 1.0 ml steps)
Infusion time	1 min – 99 h 59 min	in 1 min steps
Programming	rate in ml/h and volume in ml	
Automatic rate calculation	on total volume + time	total volume in ml, time in hours and minutes
Bolus Function	manual or automatic function	
Bolus rate	0.1 – 1200 ml/h	no flow interruption
Bolus volume	0.1 – 999 ml	no flow interruption
Set fill (prime) rate	0.1 – 999 ml/h	
Accuracy	± 5% depending on IV set	technical deviation < 1%
KVO - Keep Vein Open rate	0.1 – 3.0 ml/h	depending on flow rate; deactivation possible
Occlusion pressure	100 – 1000 mbar (mmHg, kPa, cmH ₂ O, Psi)	10 adjustable steps, no flow interruption
History and Interface		
History	200 events saved in real time	no additional software required
	400 events saved in real time	*graphic illustration with ARGUS <i>service</i> software*
Nurse call	connectable to a staff alerting system	24 V / 0.2 A; static or dynamic; potential free change over contact
RS-232 Interface	option: galvanic isolated	connectable to Patient Data Management Systems (PDMS)
Operation		
Display	two big 4-digit LED displays	plus pictograms with LED and LED bar graph; adjustable brightness
Control Panel	4 numeric and 4 function keys	
Menu configurations	manually or by PC	customized configuration on request
	by PC only	*easy to use software tool ARGUS <i>service</i> *
Data-lock	all keys are lockable	
IV-Sets	version A707 V: all leading brands	configuration of four different sets
	version 708 V: dedicated Codan set	set with integrated Anti-Free-Flow system
Safety		
Pressure reduction (KVO)	automatic pressure release after occlusion	
Air Bubble Detector	single air bubbles accumulated air bubbles	adjustable between 50 – 1000 µl adjustable between 100 – 2000 µl within 8 – 64 min.
Drop Detector	10 – 65 drops / ml	adjustable, plus for transport use
Alarms	audible and visual	see list below; adjustable volume
Medication library	*160 pre-programmed plus 32 user specific*	*listed and displayed*
Power Supply		
Battery	NiMH	maintenance free
Battery operation	5 h @ 25 ml/h	
Battery charge time	16 h	
Mains power supply	230 VAC ±10%, 50 – 60 Hz ;	option: 115 VAC ±10%, 50 – 60 Hz
External power supply	20 VDC / 0.3 A	
Power consumption	12 VA maximum	
Product Specification		
Dimensions	190 x 160 x 130 mm (W x H x D)	excluding clamp
Housing	ASA	high performance plastic
Operating temperature	5° – 40° C	
Medication temperature	18° – 30° C	
Relative humidity	20 – 90% no condensation	
Weight with battery	2.0 kg	
Conformity		
IP-Protection	IPX2	protected against dripping, 15° tilted
Protection class	II	
Applied part	Type CF	
MDD classification	IIb	
Regulations + Electrical Safety	EN 60601 (-1-1 / -1-4 / -2-24)	
Electromagnetic compatibility	EN 61000-3 (-2 / -3), EN60601-1-2	
Certification	CE0120, ISO 13485, ISO 9001	
Optional Accessories		
Docking Stations	A100 for 3 infusion or A60 for 2 infusion pumps (plus combinations with syringe pumps)	version M: interface for barcode, staff alert and data transfer version P: power supply only
Fixation systems	multifunctional clamps	to be used on ceiling pole or standard rail systems
IV-Stand	two pole system with extra stability	allows mounting of one A100 and one A60 docking station
Barcoding	barcode reader and label software	to be used with docking stations A100 M or A60 M
Software	ARGUS <i>fluid</i>	fluid management system