

ProBP™ 2400

Professional Digital Blood Pressure Device
Internal Customer & Sales Support Training

WelchAlllyn®

Overview



ProBP™ 2400



Connex® ProBP™ 3400

Branding
ProBP Family Look

Overview

Positioning within the Welch Allyn Portfolio



Overview



ProBP™ 2400



- The ProBP 2400 is a Professional device private label manufactured for Welch Allyn by Microlife Corporation.
- Partnering with Microlife for their low-cost manufacturing capabilities, Welch Allyn is able to offer professional features and durability at a budget friendly price.
- Microlife Corporation does not offer a professional digital BP device with the same feature set the ProBP 2400.
 - None of Microlife's professional devices compete in the same price point of the ProBP 2400.
 - Microlife's professional range starts with their dual arm WatchBP Office product.



Form Factor



Form Factor:

- Main power switch located on back of device
- Backlit LCD display
- Folding handle for easy portability
- Slanted desk-top design
- Mobile Stand and Wall Mount offered as optional accessories
- External power supply/recharger
 - 6' Power Cord
 - Includes US, UK, EU and AU country specific interchangeable mains blade adapters
- **No connectivity**
 - “Connex” not included in product name.



Three Clinical Modes



Single Reading

- **Single Reading Mode:** provides a single BP determination displaying Systolic, Diastolic, MAP and Pulse Rate
- **Manual Mode:** turns ProBP 2400 into a digital manometer allowing the use of a stethoscope to determine BP using traditional auscultatory (Korotkoff) method.
- **Three Reading Average Mode:** gives more accurate representation of baseline BP by reducing “white-coat” effect.
- **SureBP not offered in ProBP 2400**
 - SureBP reserved for Connex® ProBP 3400™ and above
 - ProBP 2400 uses linear deflation in all modes

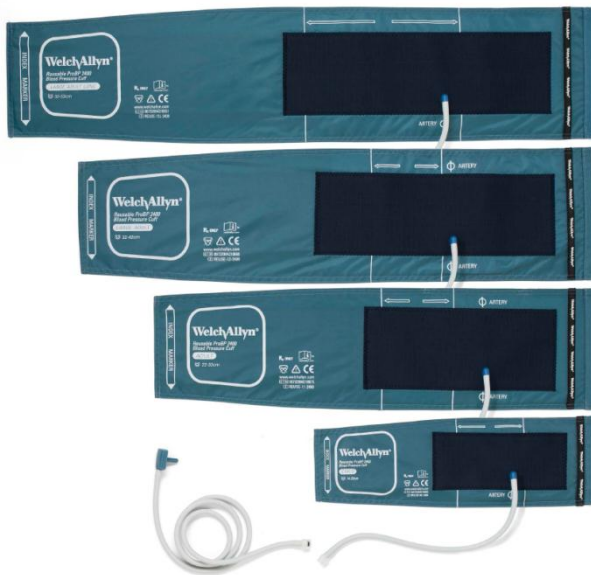


3-Reading Average



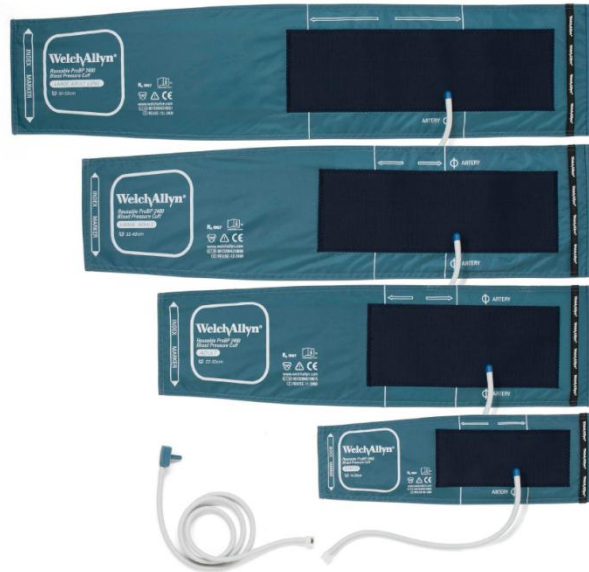
Manual

Applications



- Supplied with (2) BP cuffs
 - Adult
 - Large Adult
- Accessory BP cuffs:
 - *(Late Availability in US, estimated Aug 2015)*
 - Child
 - Large Adult Long
- Validated for use in pregnancy and preeclampsia
- Currently validated on patients 12-years and older. Clinical testing is on-going to validate accuracy on patients 3-years and older. Anticipated completion Aug 2015.
- **Can not promote compatibility with FlexiPort cuffs at time of launch**
 - Future clinical testing (full AAMI study) may be conducted to support marketing with FlexiPort cuffs

Cuff Size Range



Size - Arm Circumference Range

Lg Adult Long 32-52 cm

Lg Adult 32-42 cm

Adult 22-32 cm

Child 14-22 cm

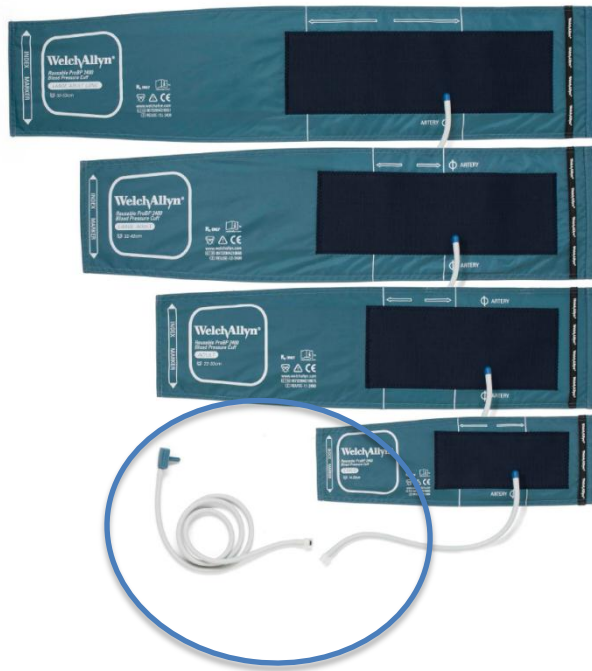


Do not distribute outside Welch Allyn

WelchAllyn

Tubing and Connectors

Each ProBP 2400 Cuff comes with tubing attached



1' Pigtail connected to cuff

Terminates in Female Quick Connect (MQ)

Attaches to Male Quick Connect on 3' tube

Terminates in Device Connector

Total Tube Length 4'

2' extension available (5082-197)
(Included with Wall Mount Bracket)

Other Features



ProBP 2400

- **Memory:**
 - Review of last single reading
 - Review of the last 3 readings used to determine 3 reading average
- **Onboard calibration verification**
 - No service tool (WAST nee PTSS) required
- **NiMH battery**
 - 4.8V 2400mAh
 - Battery charge status indicator LED
 - Yellow = Charging
 - Green = Fully Charged
 - >800 readings on full charge
 - Battery life >500 full recharge cycles
 - Low battery indicator
 - 4 to 5 hour recharge time
 - Optional high capacity battery available as accessory
 - Provides >1,400 readings on a full charge
 - Based on Microlife's Data

ProBP™ 2400 Workflow Options



Desktop Design



Mobile Stand



Wall Mount



Mounted on IWS*

* "NoBP" IWS configuration leaves space for mounting ProBP 2400 using Wall Mount Bracket Accessory which employs standard hole pattern found on 767 Wall Aneroid.

Warranty & Service



ProBP 2400

Warranty:

- **Device: 2-Years**
- **Accessories: 1-year**

Service Plan:

- **Warranty: Replace defective device with new device**
- **Out of Warranty: Flat Fee Replacement (New Device)**
 - \$275.00
- **Calibration service will be offered.**
 - \$160.00
- **No Partners in Care program offered for the ProBP 2400.**

Product Portfolio

P/N	Description
2400	PROBP 2400 DIGITAL NIBP DEVICE
REUSE-09-2400	BP CUFF, PROBP 2400, CHILD
REUSE-11-2400	BP CUFF, PROBP 2400, ADULT
REUSE-12-2400	BP CUFF, PROBP 2400, LG ADULT
REUSE-12L-2400	BP CUFF, PROBP 2400, LG ADULT LONG
2400-MS	MOBILE STAND FOR PROBP 2400
2400-WMB	WALL MOUNT BRACKET FOR PROBP 2400
2400-PS	PWR SUPPLY FOR PROBP 2400
2400-BATT	REPLACEMENT BATTERY FOR PROBP 2400
2400-100	PROBP 2400 BATTERY DOOR W/SCREWS
5082-197	PROBP 2400 BP CUFF EXTENSION, 24in(61cm)
2400-HCBAT	PROBP 2400 HIGH CAPACITY BATTERY

Portfolio Pricing

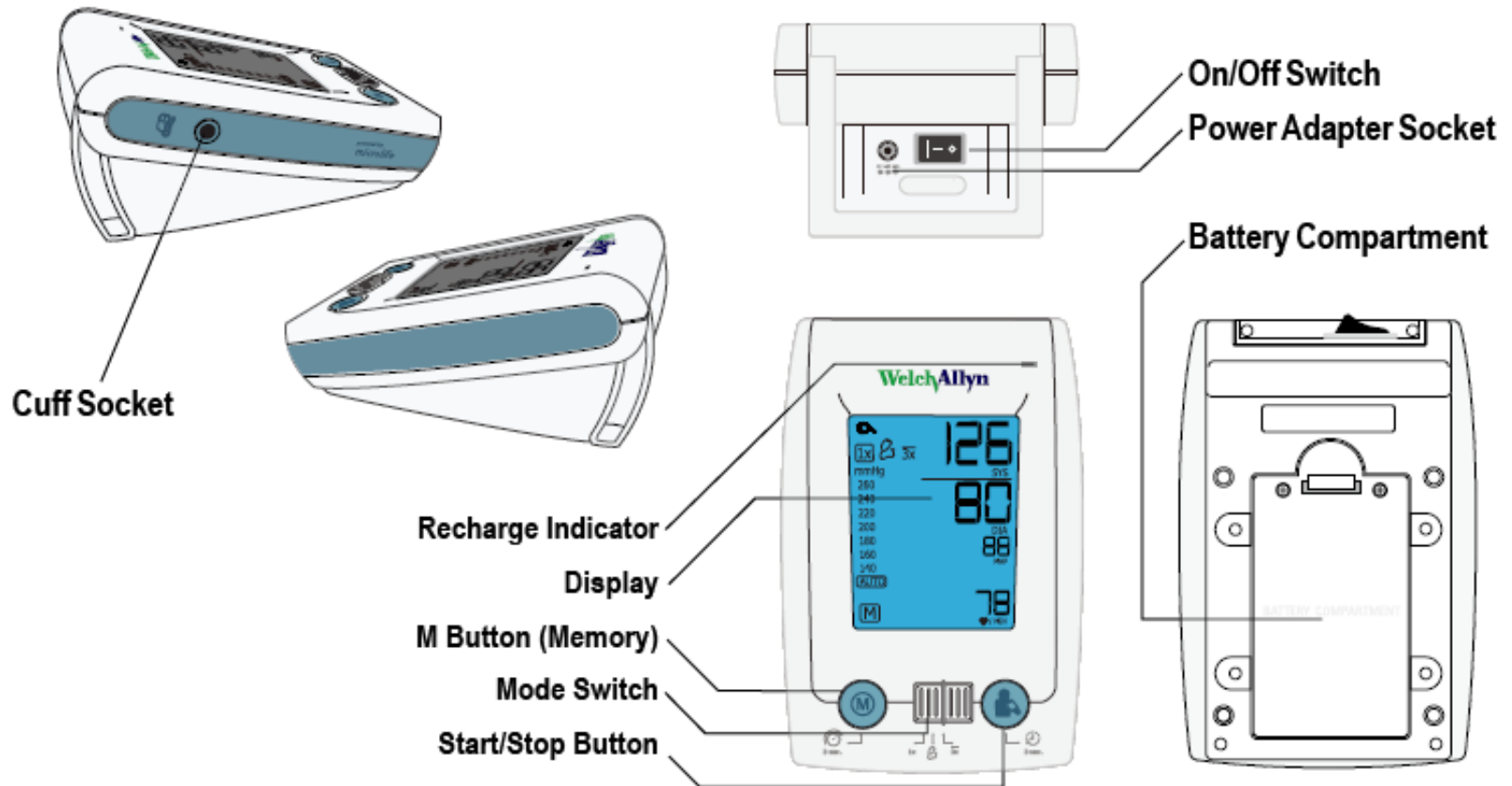
ORDER NUMBER	DESCRIPTION	UOM	List	Dealer Discount	Dealer Net
2400	PROBP 2400 DIGITAL NIBP DEVICE	1/EA	\$ 425.00	30%	\$ 297.50
REUSE-09-2400	BP CUFF, PROBP 2400, CHILD (<i>Late Availability</i>)	1/EA	\$ 30.00	25%	\$ 22.50
REUSE-11-2400	BP CUFF, PROBP 2400, ADULT	1/EA	\$ 35.00	25%	\$ 26.25
REUSE-12-2400	BP CUFF, PROBP 2400, LG ADULT	1/EA	\$ 40.00	25%	\$ 30.00
REUSE-12L-2400	BP CUFF, PROBP 2400, LG ADULT LONG (<i>Late Availability</i>)	1/EA	\$ 45.00	25%	\$ 33.75
2400-MS	MOBILE STAND FOR PROBP 2400	1/EA	\$ 238.00	25%	\$ 178.50
2400-WMB	WALL MOUNT BRACKET FOR PROBP 2400	1/EA	\$ 75.00	25%	\$ 56.25
5082-197	PROBP 2400 BP CUFF EXTENSION, 24in(61cm)	1/EA	\$ 12.00	25%	\$ 9.00
2400-BATT	REPLACEMENT BATTERY FOR PROBP 2400	1/EA	\$ 60.00	25%	\$ 45.00
2400-HCBAT	PROBP 2400 HIGH CAPACITY BATTERY	1/EA	\$ 89.00	25%	\$ 66.75
2400-PS	PWR SUPPLY FOR PROBP 2400	1/EA	\$ 60.00	25%	\$ 45.00
2400-100	PROBP 2400 BATTERY DOOR W/SCREWS	1/EA	\$ 18.00	25%	\$ 13.50

What's in the Box?

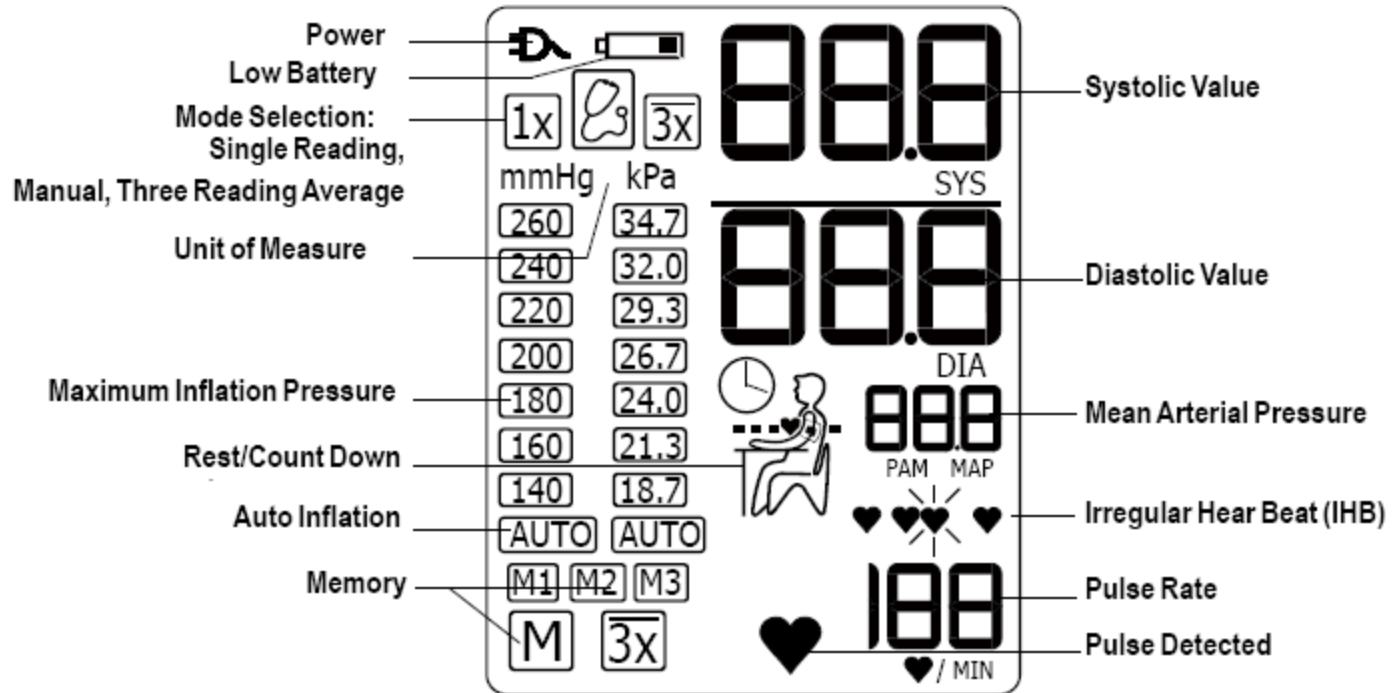


Part Number: 2400

Device Components



Display



Operation



Apply Cuff

Operation



1. Turn Power On



Operation



2. Select Mode

Operation



3. Push "Cycle" Button

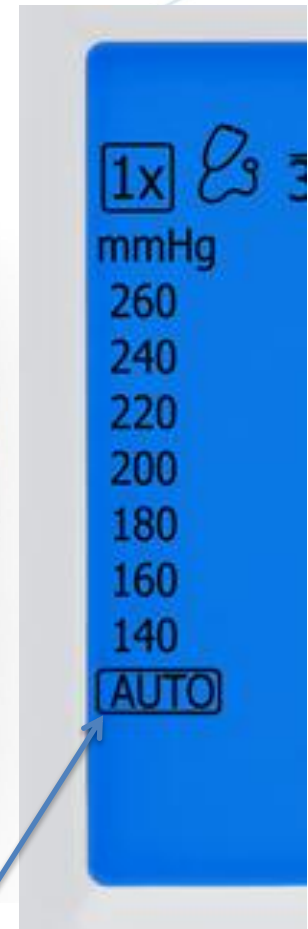
Operation

Adjusting maximum initial inflation pressure.

Push & Hold Memory Button (3 secs) to Adjust maximum initial inflation pressure.

*Push cycle button to toggle to next setting
AUTO, 140, 160, 180, 200, 220, 240, 260, AUTO....*

Push Memory Button again to lock in setting



*Border flashes during adjustment ...
...solid after selection*

Operation

Adjusting interval time
in 3-reading average mode

1. Push & Hold Cycle Button (3 secs)

2. Push Memory button to
toggle to next setting
(15, 30, 45, 60 seconds)



3. Push Cycle Button
again to lock in setting

Serial Number Location



GTIN and SN Label

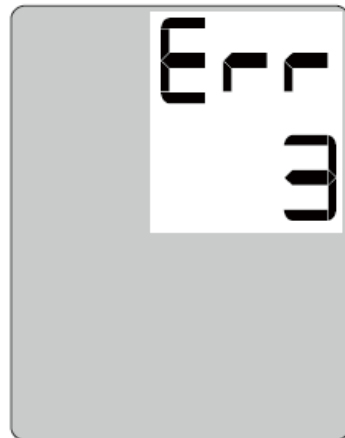
(21) Is NOT a part of the SN

Troubleshooting

Problem	Possible cause	Solutions
No power (No LCD display)	Power supply is not properly plugged in	Plug the power supply into the wall socket.
	Battery is fully discharged	Recharge the rechargeable battery by plugging in the power supply.
Cuff does not inflate properly	Loose connection of the tube	Make sure the tube of the cuff is securely connected to the device.
	Leakage of the tube / bladder	Check for cracks on the tube or the bladder. Replace the blood pressure cuff if necessary.
No result displayed after measurements	Device is in Manual Mode	Switch to «1x» or «3x» Mode and repeat the measurements.

Error Messages

If an error occurs during a measurement, the measurement is interrupted and an error message «Err» is displayed.



Error	Description	Potential cause and remedy
«Err 1»	Signal too weak	The pulse signals on the cuff are too weak. Reposition the cuff and repeat the measurement.
«Err 2»	Error signal	During the measurement, error signals were detected by the cuff caused, for instance, by movement or muscle tension. Repeat the measurement keeping patient's arm still.

Error Messages

«Err 3»	No pressure in the cuff	An adequate pressure cannot be generated in the cuff. A leak may have occurred. Replace the blood pressure cuff if necessary. Repeat the measurement.
«Err 5»	No valid results	The measuring signals are inaccurate therefore no result can be displayed. Switch to Manual Mode and determine blood pressure with a stethoscope using traditional Korotkoff method.

«HI»	Pulse rate or cuff pressure too high	The pressure in the cuff is too high (over 300 mmHg) OR the pulse is too high (over 200 beats per minute). Have the patient relax for 5 minutes and repeat the measurement.
«LO»	Pulse too low	The pulse is too low (less than 40 beats per minute). Repeat the measurement.





That's all Folks!