



## Service and Maintenance Toolset

### Spot Vital Signs® Devices

The following tools are required to perform service and maintenance, as well as functional verification and calibration on Welch Allyn Spot Vital Signs Devices. Please note that these tools must also be readily available to complete Welch Allyn Technical Service Training for this device.

#### Required Service Tools and Test Equipment\*

Material Number	Description	Quantity Required
06137-000	CAL KEY,767T,M678,M679,52000	1
4200-170	Connectivity Access Kit - Spot Vital Sign Serial †	1
4200-170USB	Connectivity Access Kit – Spot Vital Sign USB †	1
01802-110	Tester, calibration, 9600 Plus	2
5088-01	AIR RELEASE VALVE & BULB	1
5089-12	TUBING 27IN. LENGTH	3
Customer Supplied	Pressure meter	1
407672	BP Test Volume Repair Fixture	1
<b>Only Required for Devices Equipped With Masimo SpO2</b>		
11593	Masimo SpO2 Tester (contact Masimo: 800-326-4890)	1
PC-04-WA	Masimo Extension Cable – 4ft	1
<b>Only Required For Devices Equipped with Nellcor SpO2</b>		
SRC-MAX	NELLCOR OXIMETRY TESTER (for MP506 / NELL-3)	1
DEC-4	Cable, SpO2 extension, Nellcor	1

\* Indicates items only available from Welch Allyn or a Welch Allyn distributor.

† This kit includes the necessary IR data interface cable. Customers will require either the Serial or USB version of the connectivity kit depending on their interface requirements. The mounting bracket included will not be used for service purposes.

#### Miscellaneous Off-the-Shelf Tools

The following tools are not available from Welch Allyn, but will be used in service and maintenance activities.

Description	Quantity Required
Battery substitution connector	1
COMPUTER RUNNING WIN XP O/S	1
Pneumatic Clamps	3
T10 Torx Driver	1
TORQUE BIT (T8)	1
SPLINTER TWEEZER 3.5 INCH	1
NEEDLE NOSE PLIERS 6"	1
SCREWDRIVER, PHILLIPS #2	1
SCREWDRIVER, PHILLIPS #1	1
SCREWDRIVER, MINI	1



## Miscellaneous Off-the-Shelf Tools (continued)

Description	Quantity Required
WIRE CUTTERS	1
SCISSORS	1
PLIERS	1
TIE WRAP CUTTER	1
SOLDERING IRON	1
T-Stripper Wire Strippers Feature	1
Tie WRAP Gun	1
SLOTTED SCREW DRIVER	1
Power Supply – Variable 0-8 VDC, 0.75 amperes (minimum), with voltage and current indicators (for 1mA current measurement)	1
TOOL_FLUKE, MULTIMETER, 187	2

To place an order for your required tools, contact your Welch Allyn representative or call 1.800.535.6663. Pricing is subject to change without notice.

For more information on Welch Allyn Technical Service Training, visit [www.welchallyn.com/service](http://www.welchallyn.com/service)

\*The listed tools meet the performance requirements necessary to perform service and maintenance, as well as functional verification and calibration as described in the Welch Allyn Spot Vital Signs® Monitor Service Manual. For complete details on test procedures and parameters, please review the service manual.