

## Non-Invasive Blood Pressure Module TM-2917



A&D has newly released the TM-2917 Blood Pressure Module, which is compatible with the previous TM-2915 model. The TM-2917 can select either inflation or deflation measurement mode.



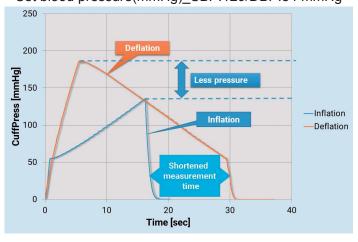
\*Image when the cover is opened

### **Features**

- Inflation or deflation measurement mode
- Advanced measurement algorithm
- Adopt the wide range cuff (22 cm-42 cm) as well as 5 other types of cuffs
- Dual-rolling pump
- Equipped with LCD display
- 5 V-12 V power source
- IHB screening function
- ISO:81060-2 clinical protocol validated
- Includes the well-established ECEV\*

  \*ECEV Electric Control Exhaust Valve

Set blood pressure(mmHg)\_SBP:120/DBP:84 mmHg



### Inflation vs. Deflation Method

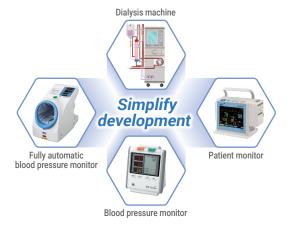
Benefits of inflation measurement

- Reduction of excessive inflation
- Shorter measurement time.
- Quicker results confirmation



### **Specifications**

Specifications		
Model Name		TM-2917
Measurement method		Oscillometric
Operating modes		Set either inflation or deflation
Patient applications		Adult, children, neonatal
Pressure detection method	For measurement	Semiconductor pressure sensor
	For safety circuit	Semiconductor pressure sensor
Measurement range	Pressure	0 mmHg to 299 mmHg
	Pulse rate	30 bpm to 240 bpm
Measurement accuracy	Pressure	±3 mmHg over full range in operating conditions
	Pulse rate	±2 % or ±2 bpm, whichever is greater
Systolic range	(Inflation) Adult	60 mmHg to 280 mmHg
	Neonatal	N/A
	(Deflation) Adult	40 mmHg to 280 mmHg
	Neonatal	40 mmHg to 130 mmHg
Diastolic range	(Inflation) Adult	40 mmHg to 200 mmHg
	Neonatal	N/A
	(Deflation) Adult	20 mmHg to 200 mmHg
	Neonatal	20 mmHg to 100 mmHg
Scale interval	Pressure	1 mmHg
	Pulse rate	1 bpm
Inflation method	Pump	Rolling pump 10 s or less / 0 mmHg to 300 mmHg
Exhaust system	Controlled exhaust	Automatic deflation controlled by solenoid valve
	Rapid exhaust	Rapid exhaust by opening of solenoid valve for controlled exhaust and rapid exhaust
Electrical rating	Rated power supply voltage	Direct current +5 V to +12 V
	Power input	Not more than 8 VA
Serial communication	Standard	Based on RS232C
	Logic levels	TTL (3.3 V) signal voltage level
	Data-flow control	RTS from NIBP MODULE only (Non-use CTS)
Operating conditions	Temperature	0°C to 60°C
	Humidity	Not more than 85 %RH(non-condensation)
	Air pressure	700 hPa - 1060 hPa
Transport/storage conditions	Temperature	−20 °C to +70 °C
	Humidity	95 %RH or less (with no condensation)
	Air Pressure	700 hPa - 1060 hPa
NIBP accuracy		Meets ISO 81060-2:2013
Safety & regulatory standards		IEC 60601-1:2005+AMD1:2012
		IEC 60601-1-2:2014, IEC 80601-2-30:2018
		ISO 81060-2:2013, IEC 62304:2006
Service life	Time	ISO 81060-2:2013, IEC 62304:2006 6 years
Service life	Time Cycles	·
Service life  External dimensions		6 years



### **Accessories & Options**

### 5 types cuffs & Wide range cuff

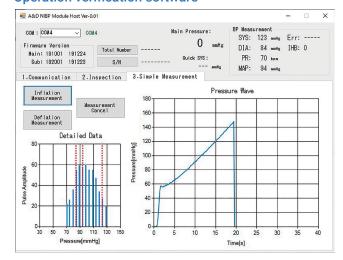
Cuff size	Arm size	REF
LL	41 cm - 50 cm	UM-LLRS2M1KEC
Large Adult	31 cm - 45 cm	UM-LARS2M1KEC
Adult	22 cm - 32 cm	UM-AURS2M1KEC
Small Adult	16 cm - 24 cm	UM-SARS2M1KEC
SS	12 cm - 17 cm	UM-SSRS2M1KEC
Wide range	22 cm - 42 cm	UM-WRRS2M1KEC



### Options Operation Verification kit \*For ISO 13485 manufacturers

Model Name	Units	Description
TM-2917	2	Inflation / deflation mode (Factory setting)
All cuff size	1 set each	5 types cuffs and wide range cuff
Air hose	1	(With plug)1.5 m
Air plug angle	5	Air plug for connection to the TM-2917 air connection port
Air plug straight	5	
Specification	1	PDF (included in USB)
Communication specifications	1	PDF (included in USB)
Operation unit	1	NIBP communication unit
Operation verification software	1	Software (USB) for Windows 10
Serial-USB conversion cable	1	With driver

### **Operation verification software**



# A&D Medical

### A&D Company, Limited

3-23-14 Higashi-Ikebukuro, Toshima-Ku, Tokyo, 170-0013, Japan Tel: [81](3)5391-6132 Fax: [81](3)5391-1566 1-243, Asahi, Kitamoto-shi, Saitama, 364-8585 Japan Tel: [81](48)593-1111 Fax: [81](48)593-1119 https://www.aandd.jp

### A&D ENGINEERING, INC.

1756 Automation Parkway, San Jose, CA 95131, U.S.A. Tel: [1](408)263-5333 Fax: [1](408)263-0119

### **A&D INSTRUMENTS LIMITED**

Unit 24/26 Blacklands Way, Abingdon Business Park, Abingdon, Oxfordshire, OX14 1DY, United Kingdom Tel: [44](1235)550420 Fax: [44](1235)550485

### A&D AUSTRALASIA PTY LTD

32 Dew Street, Thebarton, South Australia 5031, Australia Tel: [61](8)8301-8100 Fax: [61](8)8352-7409

### A&D RUS CO., LTD.

Vereyskaya Str. 17, 121357, Moscow, Russia Tel: [7](495)937-33-44 Fax: [7](495)937-55-66

### A&D Technology Trading (Shanghai) Co., Ltd

32CD, World Plaza, No.855 South Pudong Road, China (Shanghai) Pilot Free Trade Zone, 200120, China Tel: [86](21)3393-2340 Fax: [86](21)3393-2347

### **A&D INSTRUMENTS INDIA PRIVATE LIMITED**

509 Udyog Vihar Phase V Gurgaon-122 016, Haryana, India Tel: [91](124)471-5555 Fax: [91](124)471-5599