



TELEDYNE HASTINGS INSTRUMENTS
Everywhereyoulook™

HPM 4/5/6

Vacuum Gauge



TELEDYNE
HASTINGS INSTRUMENTS
Everywhereyoulook™


ISO 9001

C E R T I F I E D

infoRAD Corp.
Total Industrial Solution Provider

1.

Teledyne Hastings Instruments(THI)

	THI	THI	가	THI
	: HPM-4/5/6 가			
	:	THI		
	:			
	:	가		가
	:	가		가

1.1.

HPM 4/5/6	Teledyne Hastings	DV-4, DV-5 , AC	DV-6
9V		Torr, mbar,	Pascal
가			
	DV-4, DV-5	DV-6	VCR, KF-16, KF-25, Glass, MiniConflat™, 1/8" NPT

Gauge Tube	Pressure Range
DV-4	0.2-20 Torr
DV-5	0.1-100 mTorr
DV-6	1-1000 mTorr

1.2.



HPM 4/5/6 Vacuum Gauge:

Range	DV-4 - 0.01 – 20 Torr DV-5 - 0.1 – 100 mTorr DV-6 - 1 – 1000 mTorr
Accuracy (w/ calibrated tube)	DV-4 (0.01–10 Torr), ± (20% of Reading + 0.02 Torr) DV-5 (0.1–100 mTorr), ± (15% of Reading + 0.1 mTorr) DV-6 (1–1000 mTorr), ± (15% of Reading + 1 mTorr)
Accuracy (w/ calibrated reference tube)	DV-4 (0.01–10 Torr), ± (20% of Reading + 0.04 Torr) DV-5 (0.1–100 mTorr), ± (15% of Reading + 0.2 mTorr) DV-6 (1–1000 mTorr), ± (15% of Reading + 3 mTorr)
Operating Temperature Range	With alkaline battery (standard) -18 to 55°C With lithium battery (standard) -20 to 60°C Externally powered -20 to 70°C
Storage Temperature (without battery)	-20 to 70°C
Input Voltage	5.5 - 9.5 VDC, (9V Battery)
Battery Life (with included battery)	> 30 hours
Outline Dimensions in inches (mm)	3.35” by 5.66” by 1.40” (85 by 144 by 36)
Weight (Approx.)	0.7 lbs. (0.3 kg)
Cables (Approx.)	2-ft sensor cable included
Pressure Units	DV-4 - Torr, mbar, Pascal DV-5 - mTorr, μbar, Pascal DV-6 - mTorr, mbar, μbar, Pascal
CE Compliance	See table below

CE Standard Compliance	
TEST	Standard
EMC/EMI Family	EN61326
Radiated Emissions	EN55011
ESD	IEC 61000-4-2
Radiated Immunity	IEC 61000-4-3

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DAVC Compatible Reference Tubes			
Hastings #	Model Name	Hastings Tube	Color Band
55-101	DB-16D	DV-4	Purple
55-103	DB-18	DV-5	Red
55-104	DB-20	DV-6	Yellow

1.3.3.

Vacuum Gauge Tubes

Gauge Tubes - 20 Torr Range

Stock #	Model #	Description
55-19	DV-4D	1/8" MNPT Standard (Purple Base)
55-19R	DV-4R	1/8" MNPT Ruggedized
55-258	DV-4D-KF-16	KF-16™
55-266	DV-4D-KF-25	KF-25™
55-227	DV-4D-VCR	VCR™
55-69	DV-34	1/8" MNPT 316SS
55-101	DB-16D	Ref Tube (DV-4)

Gauge Tubes - 100 mTorr Range

67-6	DV-5M	1/8" MNPT (Red Base)
55-230	DV-5M -VCR	VCR™
55-103	DB-18	Ref Tube (DV-5)

Gauge Tubes - 1000 mTorr Range

55-38	DV-6M	1/8" MNPT (Yellow Base)
55-38R	DV-6R	1/8" MNPT Ruggedized
55-38RS	DV-6	1/8" MNPT Ruggedized RoHS
55-38S	DV-6S	1/8" MNPT Ruggedized/Vibration
55-139	DV-20	Glass
55-251	DV-6-KF-16	KF-16™
55-267	DV-6-KF-25	KF-25™
55-283	DV-6-VCR	VCR™
55-38R-CF	DV-6R-CF	Mini Conflat™
55-66	DV-36	1/8" MNPT 316SS
55-104	DB-20	Ref Tube (DV-6)



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2.1.

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2.2.

HPM-4/5/6

2.2.1.

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- a.
- b.
- c.

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2.2.2.

1.

2.

3.

4.

5.

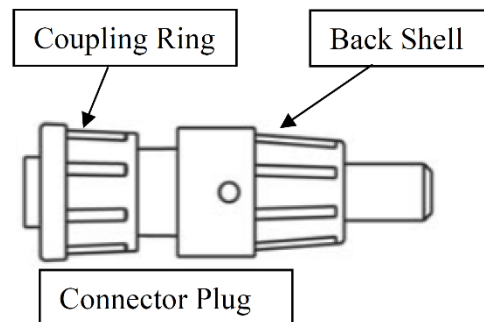
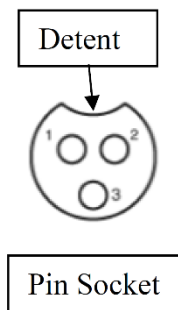
6.

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HPM-4/5/6 9V PP3

(IEC # 6LR61, ANSI # 1604A)

1. 2.2.1
- 2.
- 3.
4. 가
5. 9V
- 6.
7. 2.2.2

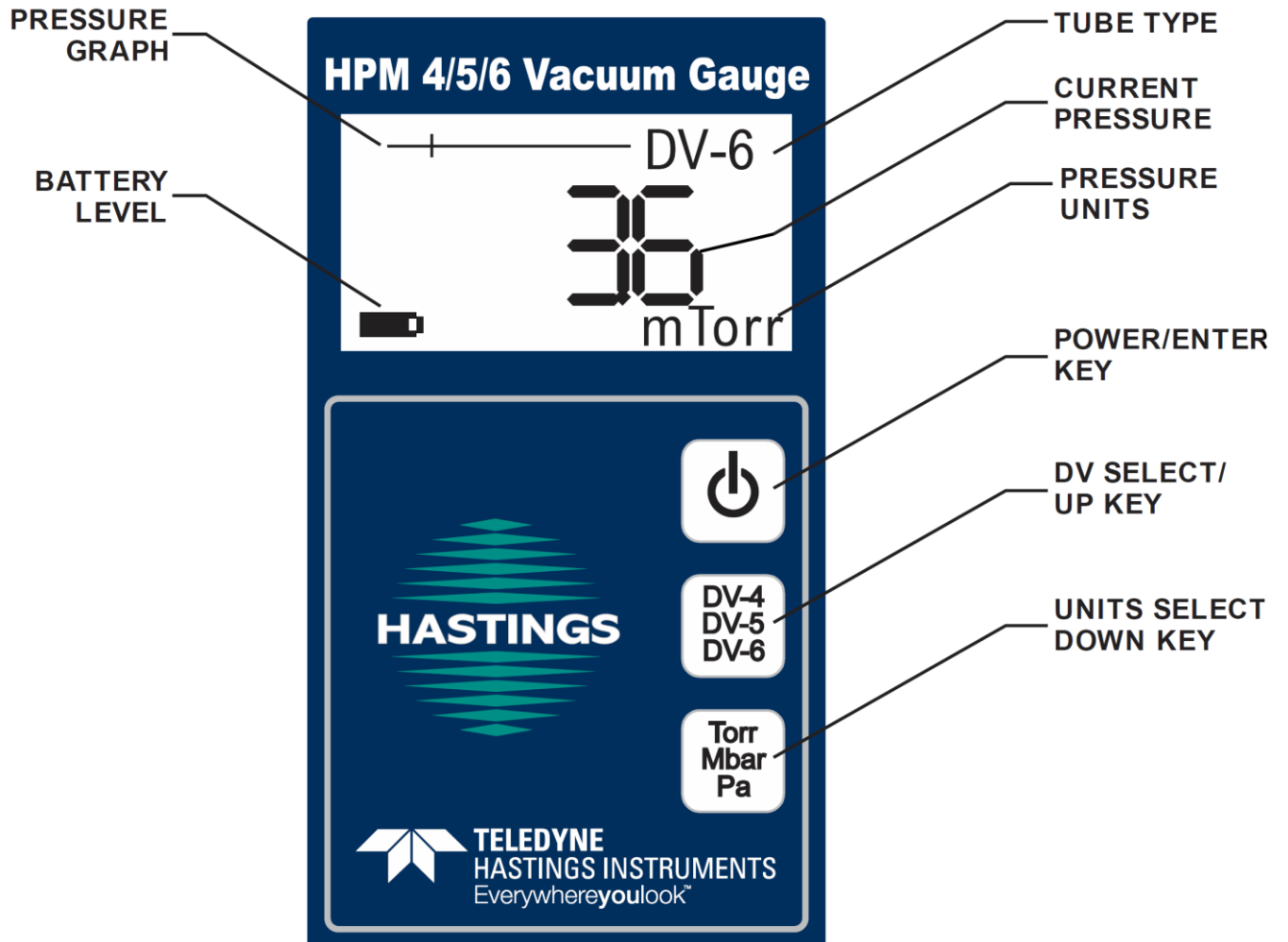
2.3.1.

HPM-4/5/6 20
-18 ~55 , ()
-20 ~60
가 (ANSI # 1604L)

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3.1.

3.4



3.1.1.


가 가 가 가 가 가

3.1.2.

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3.1.3.

3.1.4.

가 가 "999 OVER RANGE" ,
 가 "UNDER RANGE" .
 : 가 (-)가

3.1.5.

3.1.6. /

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3.1.7. / UP

3.1.8. / DOWN

3.2.

HPM-4/5/6

Scotch-Brite



3.3.

HPM-4/5/6

1.	DV-4, DV-5, DV-6	
2.	HPM-4/5/6	
3.		가
*	"DV-4, DV-5, DV-6"	
4.		가
*	"Torr, mbar, Pa"	
5.		가
i.	가	가
ii.	가	가
	가	"999 OVER RANGE"가
iii.	가	가
	"000 UNDER RANGE"가	
6.		
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3.4.

3.4.1.

HPM-4/5/6

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"AUTO OFF DISABLED"가

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3.4.2.

LCD 가

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"ADJUSTING CONTRAST"가

3.5.

HPM-4/5/6 가 (DV-4, DV-5, DV-6)

, HPM-4/5/6

3.5.1.

- HPM-4/5/6
- DV-4, DV-5, DV-6

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3.5.2.

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- "CALIBRATION MODE"가
- "CAL MODE"가 , "SELECT TUBE TYPE" " "가

3.5.3.

- 가
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- "SELECT UNITS" " "가
- 가
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3.5.4.

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- 가 가 (DV-5 3) 가
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