

The Manual Loader is provided with following options in addition to the basic model that has a valve meter to indicate the output.

- (1) With input indicator
- (2) With input indicator and transfer SW
- (3) With input indicator, transfer SW and bias setting.

Specifications

Indicating section

Output: 0.2 ~ 1.0 kg/cm²

Valve meter: Scale; 0 ~ 100% (20 div.)

Scale length; 25 mm

Accuracy; $\pm 3.0\%$ FS

Repeatability; Within 0.5% FS

Output air capacity: 20 Nl/min.

Supply air pressure: 1.4 \pm 0.14 kg/cm²

Air consumption: 6 Nl/min. (Balanced state)

(When with a bias setting 12 Nl/min.)

Operating conditions: Temperature; 0 ~ 50°C

Humidity; 10 ~ 90% RH

Mounting: Indoor panel mounting.

Mounting angle: Up to 75° case rear down from horizontal.

Net weight: Standard case; Approx. 5kg

Short case; Approx. 4kg

Color finish: Bezel; Dark beige (Munsell 10YR 4.7/0.5)

Front mask; Light gray (Munsell N7)

Lower mask; Aluminic silver

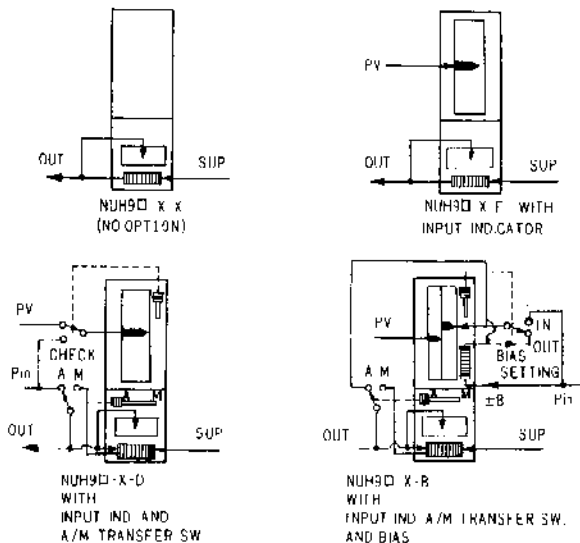
Case; Dark beige (Munsell 10YR 4.7/0.5)

Connections: Air; PT 1/4 (ISO R 7 1/4") or NPT 1/4 tap thread

Electric; M 3.5 mm screws

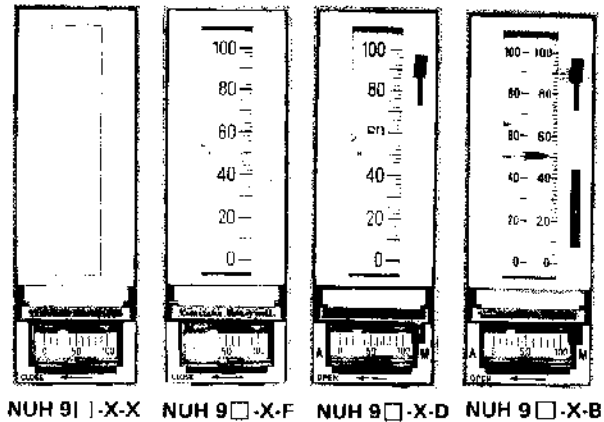
Dimensions: Standard case; 152.3H x 50.7W x 600 D (mm)

Short case; 152.3H x 50.7W x 400 D (mm)



VUMATIK MANUAL LOADER

MODEL; NUH



Options (Accessories)

Following options are available.
Item (1) ~ (5) are the standard options.

(1) Input indicator

Input: 0.2 ~ 1.0 kg/cm²

Scale length: 85 mm

Accuracy: $\pm 0.5\%$ FS

Repeatability: Within 0.2% FS

Dead band: Within 0.1% FS

(2) Auto-Manual transfer switch

Auto to Man. transfer: Balanceless-Bumpless

Man. to Auto transfer: Transferred after balanced.

(3) Bias setting

Bias setting span: $\pm 100\%$ FS

(Note: Item (4) and (5) are available only for manual loader with indicator.)

(4) Lamp (1-set)

Number of lamp: 2-lamp (Can be divided into two sections.)

Rating: 24V, 40mA/lamp

(5) Monitor switch (with a lamp set) [Only with PV indicator]

Type of monitor switch: PV monitor

Number of alarm: One or two

Span: 0 ~ 100% FS

Diff. gap: Within 0.5% FS (NUH9□ X-B)

Within 2% FS (NUH9□ X-F and NUH9□ X-D)

Repeatability: Within 0.3% FS

Output contact rating: AC 250V, 4A

Item (6) ~ (8) are the semi-standard options.

(6) 2-point indication + Auto-manual transfer switch (Y 92A)

Indicating and setting accuracy: $\pm 0.5\%$ FS

(7) 2-point indication + Auto-manual transfer switch and bias setting (Y 93A)

Indicating and setting accuracy: $\pm 0.5\%$ FS

(8) Front mask semi-standard color (Y 100A, B, D, E)

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Process Control Division

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Model Number Table

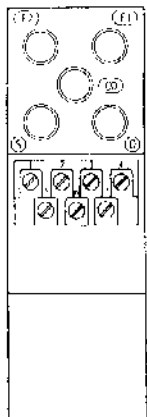
Basic Model No.		I	II	Description
Key No.	Type of Case	Selection	Option	
NUH 9				Manual Loader
	0			Standard Case
	9			Short Case
		-X		No Selection
			X	No Option
			-1	Lamp (1-set)
			-5	PV Monitor Switch, 1 point on 1 PV (with a lamp set)
			-6	PV Monitor Switch, 2 points on 1 PV (with a lamp set)
			-F	PV Indicator
			-D	PV Indicator and A/M Transfer Switch
			-B	PV Indicator, A/M Transfer Switch and Bias Setting

Notes:

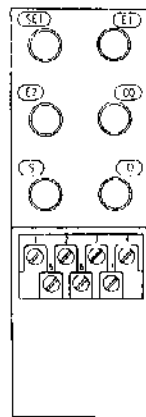
- When ordering "Y" semi-standard options, please write as: NUH 90Y-X-X (Y□).
- Front mask semi-standard color

Part	Bezel	Upper Mask	Lower Mask
Y-No.			
Y100A	Dark beige (10YR 4.7/0.5)		
Y100B	Mist green (2.5 G 5/1.5)	Light gray (N 7)	Aluminic silver
Y100D	Black (N 1.2)	Light gray (N 7)	Aluminic silver
Y100E	Jade green (7.5 BG 4/1.5)	Light gray (N 7)	Aluminic silver

Customer Connections



Standard Case

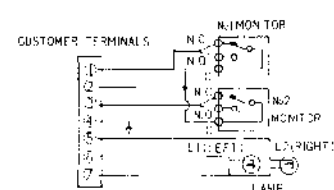


Short Case

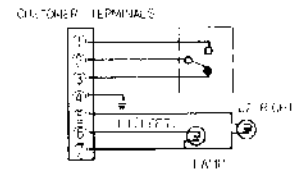
PNEUMATIC CONNECTIONS

	MAN. LOADER	MAN. LOADER W/INPUT IND.	MAN. LOADER W/INPUT IND. TRANS. SW AND BIAS SETTING
S	SUPPLY	SUPPLY	SUPPLY
O	OUT	OUT	OUT
E1	-	PV	PV
E2	-	-	Pn

ELECTRIC CONNECTIONS



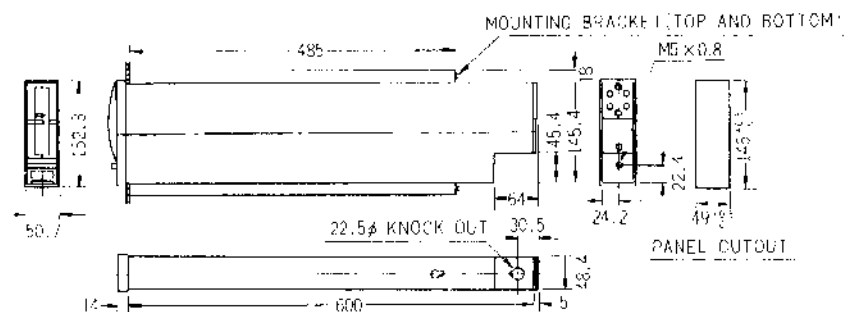
High and Low Monitor



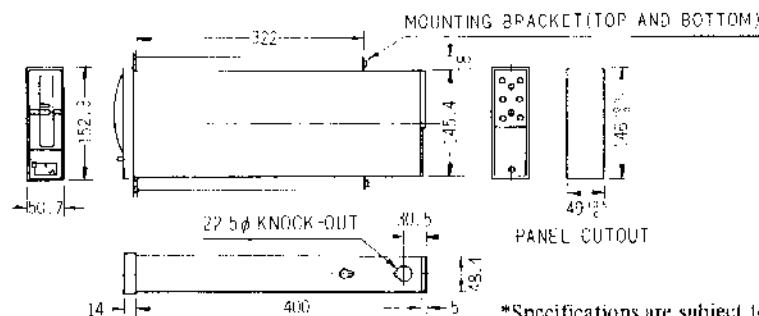
High or Low Monitor

Dimensions

Standard Case



Short Case



*Specifications are subject to change without notice.

Ordering Information

When ordering, please specify:

- Model No.
- Scale range
- Options