

# General Specifications

## UNIVERSAL TOTALIZER

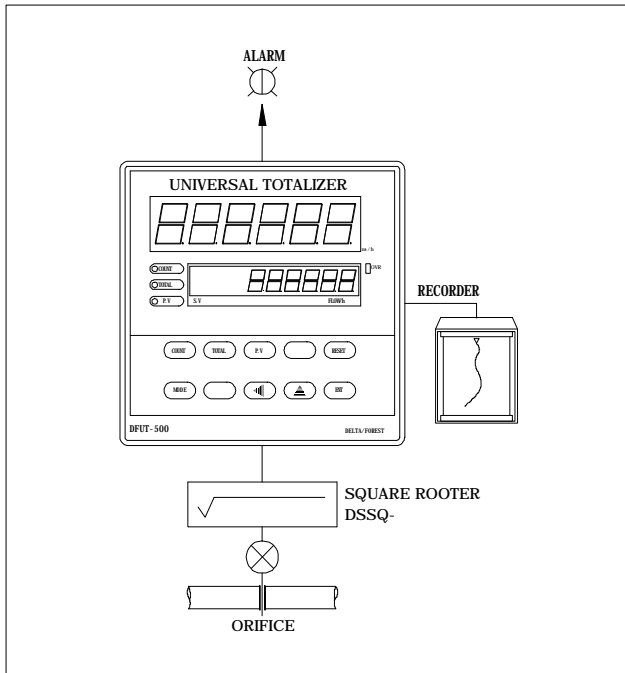


This DFUT MODEL(UNIVERSAL TOTALIZER) is a high functional totalizer which receives 4-20mA DC output from alternative amount of each kind of process(flow, pressure, level, voltage, current, etc) as input signal, indicates simultaneously integration/instantaneous flow and has alarm function. Also it is a loading MCV totalizer which has two functions of preset counting & total counting, power adopt free voltage and get rid of inconvenience following power change.

### SPECIFICATIONS

ITEMS		DESCRIPTIONS
INPUT SIGNAL		DC 4~ 20mA, DC 1~ 5V * Option : ƒ DC24V for 2-Wire Transmitter ƒ STD. 24V/30mA Nonload Range : 24V~ 27V DC
INPUT IMPEDANCE		250Ω /DC 4~ 20mA Approx. 1MΩ /DC 1~ 5V
TOTAL COUNTER	DISPLAY RANGE	0~ 999999 Counter (When over the 999999 is Flashing Display)
	ACCURACY	¼ 0.25% at F.S
	COUNTER RESET	Manual Reset
PRESET COUNTER	DISPLAY RANGE	0~ 999999 Counter (When over the 999999 is Flashing Display)
	FUNCTION	Preset Setting Value Over (Alarm Lamp & Relay Contact ON) Counter Key + Reset key ƒ ON ƒ Clear
	ACCURACY	¼ 0.25% at F.S
	COUNTER RESET	Manual Reset or External Contact Reset
P.V COUNTER	SCALE RANGE	[0~ 1/4~ 20mA DC] ~ [0~ 36000/4~ 20mA DC]
	ACCURACY	¼ 0.25% at F.S
SET OVER (ALARM SIGNAL)		Relay Contact 1 point (250V AC 3A Max. Resistance Load)
P.V OUTPUT(RETRANSMITTED)		4~ 20mA DC (Resistance Load 1~ 600Ω ) ¼ 0.2% at F.S
EXTERNAL RESET SIGNAL		Contact Signal (Preset Counter Value Clear)
MEMORY BACK-UP		Stored Data Back-up By Lithium Battery : Battery Life ƒ Approx. 10 Years
POWER SUPPLY VOLTAGE		AC 90~ 264V 50/60Hz
POWER CONSUMPTION		7VA Max.
ALLOWABLE AMBIENT TEMP.		-10~ 50℃
ALLOWABLE HUM.		35~ 85% RH
CASE MATERIAL		ABS Resin Black
MOUNTING		Panel Mounting
DIMENSION		W96 X H96 X D100mm Din. Standard
WEIGHT		About 400g

## APPLICATIONS



## MODEL & ORDERING CODE

MODEL : DFUT - 500 -

INPUT TYPE \_\_\_\_\_

- 1 4~20mA DC
- 2 1~5V DC
- \* 3 2-wire 4~20mA DC (24V DC)

P.V OUTPUT (\*OPTION) \_\_\_\_\_

- 1 None
- 2 4~20mA DC

\* In Case of DFUT-500-3 Must be External Power Supply

## DISPLAY SETTING EXPLANATION

1. Setting screen is changed by pressing MODE KEY
2. Setting change is changed by operating ◀ KEY and ▶ KEY
3. Set changed-value is registered by ENT KEY.

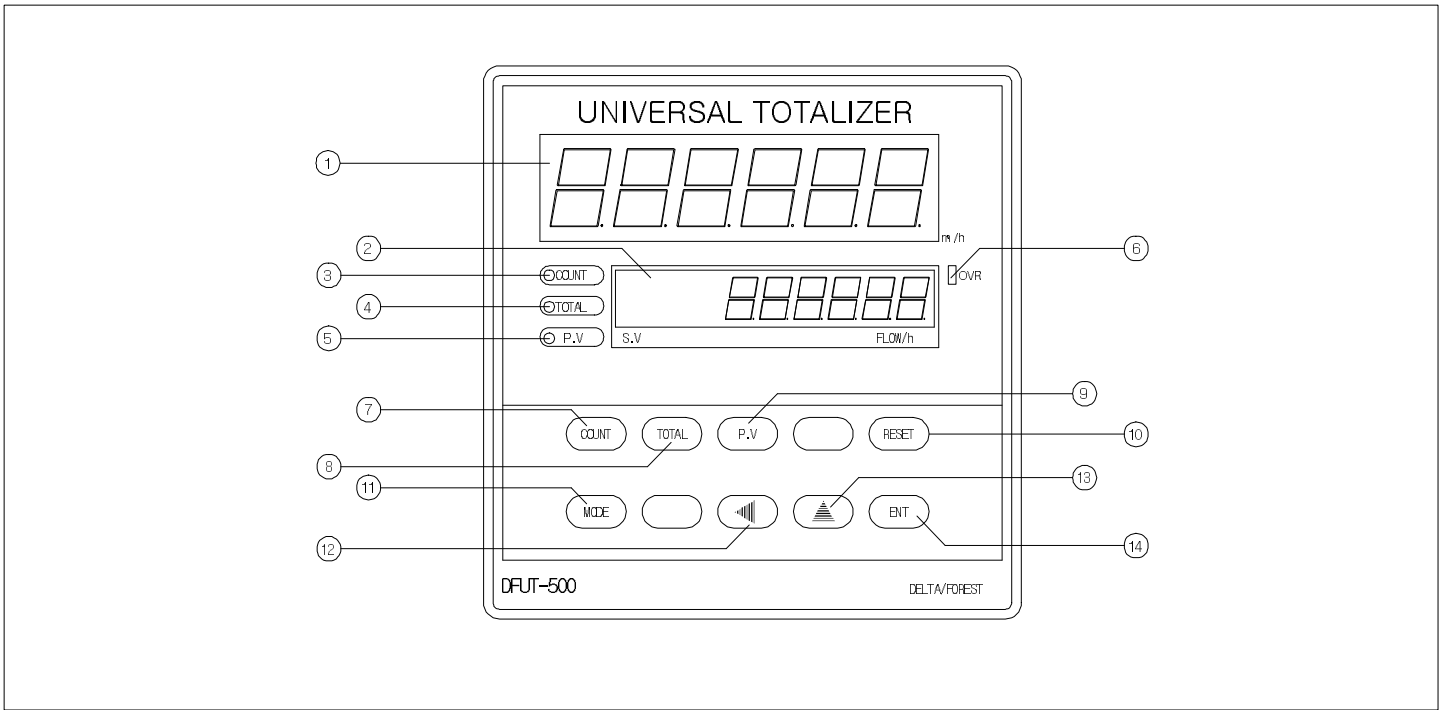
Symbol	Abbreviation	Description	Setting range	Initial value prior to shipment
Counter lamp in lighting	Preset set value	It lights a set over lamp to set value in the case that preset count value goes over.	1-999999	36000
<b>Point</b>	Indicating place of decimal point	It indicates place of decimal point of total count & preset count.	1 : No decimal point	1
Point			0.1 : 1st place of decimal point	
<b>Shnt S</b>	Scaling setting	It indicates span range of PV display to input signal.	0.01 : 2nd place of decimal point	
Shnt S			1-360000	3000

## INITIAL SETTING EXPLANATION

Example) Input signal 4-20mA DC

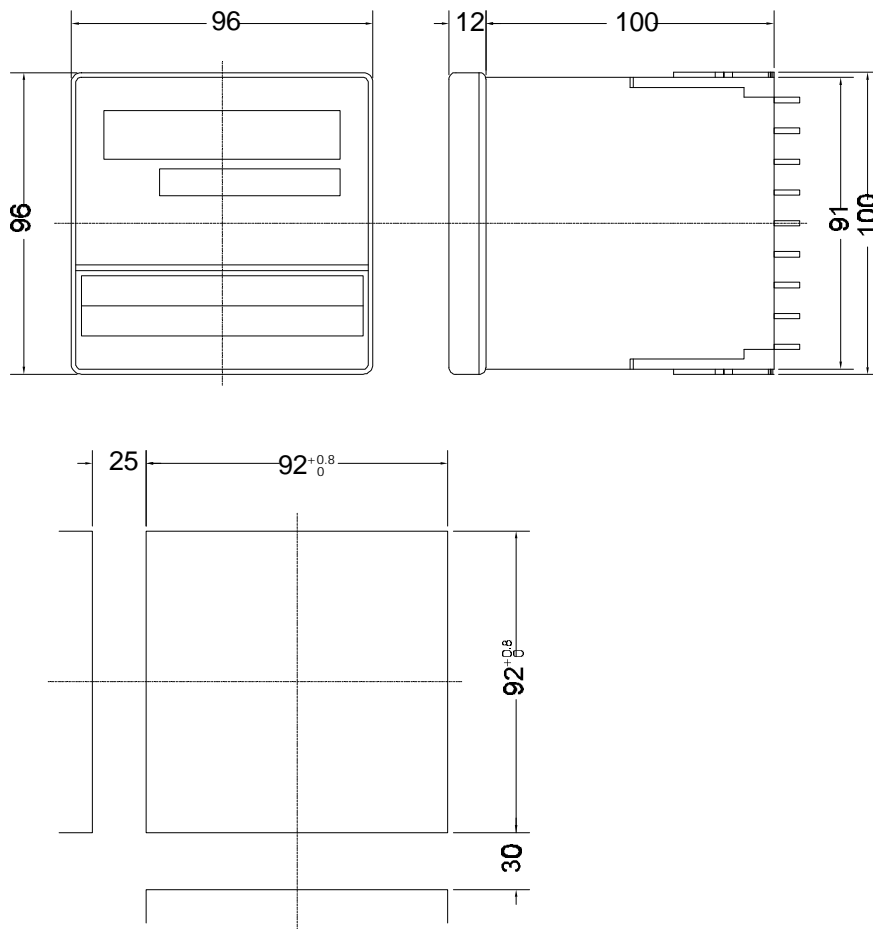
1. P.V display is indicated "0" as input signal, "3000" as 20mA DC.
2. The value of total count receives 20mA DC as input signal, counts "3000" in 1 hour
3. The value of total count receives 20mA DC as input signal, counts "3000" in 1 hour. When the value of count reaches "36000" count, over-lamp lights up and set over output signal turns on. It goes on "COUNT UP" after.

## NAME OF PARTS EXPLANATION



- |                                       |  |
|---------------------------------------|--|
| <p>① P.V DISPLAY UNIT (Green)</p>     | <p>Preset count<br/>Total Count<br/>P.V Display</p>  |
| <p>② SETTING VALUE DISPLAY UNIT</p>   | <p>Preset setting Valve<br/>Scale Setting value<br/>Indication place of decimal point</p>  |
| <p>③ COUNTER DISPLAY LAMP (Green)</p> | <p>It light up when preset set - valve is displayed.</p>   |
| <p>④ TOTAL DISPLAY LAMP (Green)</p>   | <p>It light up when total integrated -value is displayed.</p>  |
| <p>⑤ P.V DISPLAY LAMP (Green)</p>     | <p>It light up when P.V is displayed.</p>  |
| <p>⑥ OVER DISPLAY LAMP</p>            | <p>It light up when preset integrated -value reaches preset set-value.</p>   |
| <p>⑦ COUNTER KEY</p>                  | <p>Pressing this key, indicator 1 displays integrated-value and indicator 2 displays preset set-value.</p>   |
| <p>⑧ TOTAL KEY</p>                    | <p>Total integrated-value is displayed by pressing this key.</p>   |
| <p>⑨ P.V KEY</p>                      | <p>PV is displayed by pressing this key.</p>   |
| <p>⑩ RESET KEY</p>                    | <p>(1) Preset integrated-value is cleared if press continuously<br/>Count key &amp; Reset key more 3 sec. at the same time<br/>(2) Total integrated-value is cleared if press continuously<br/>Total key &amp; Reset key more 3 sec. at the same time.</p> |
| <p>⑪ MODE KEY</p>                     | <p>Setting item is changed by pressing this key.</p>   |
| <p>⑫ Ç KEY</p>                        | <p>Pressing this key on setting screen, set-value displays extinction entering into set mode.<br/>Pressing this key again in setting change mode, a number of setting place shifts.</p>  |
| <p>⑬ Ç KEY</p>                        | <p>Pressing this key in setting change mode, increases the value of number of set place.</p>   |
| <p>⑭ ENT KEY</p>                      | <p>Pressing this key in setting change mode, set-value in indication is registered.</p>  |

## ◆ DIMENSION & PANEL CUTOUT



## ◆ REAR TERMINAL & WIRING EXPLANATION

