

## FLOW TOTALIZER DISPLAY FDI-7600



### Features

- Display indicator for flow meter, able to record the totalizer and flow rate together
- Several input signals such as analog output, Thermocouple, pulse, etc can be received
- There is a function that used to control a system via relay output
- Built-in memory for recording data
- Able to download data via USB port to flash drive
- There is a software for management data, graphing, export data to CSV file
- Auxiliary power for supplementary sensors

### Technical Data

#### Input signal

- **Flow meter** : Pulse, 0...20mA, 4...20mA, 1...5V, 0...10V
- **Temperature** : Thermocouple - B, S K, E, T, J, R, N  
RTDs - Pt100, Cu50, Cu100  
Analog signal - 0...20mA, 4...20mA
- **Pressure** : 0...20mA, 4...20mA, 1...5V, 0...10V

**Accuracy** : 0.2%FS±1d

**Resolution (Flow and totalizer)** : none...5 digit (*selectable*)

**Display** : 3.5" matrix 128 x 64 LCD screen with backlight

**Display mode** : Flow rate, Totalizer, Temperature, Pressure, Energy, Totalizer Energy

#### Unit

- **Flow rate** : m<sup>3</sup>/h, m<sup>3</sup>/min, m<sup>3</sup>/s, Nm<sup>3</sup>/h, Nm<sup>3</sup>/min, Nm<sup>3</sup>/s, Kg/h, Kg/min, Kg/s, t/h, t/min, t/s, L/h, L/min, L/s
- **Totalizer** : m<sup>3</sup>, Kg, L, t (*according to Flow rate unit*)
- **Temperature** : °C
- **Pressure** : Pa, KPa, MPa, Bar, mmHg and mmH2O
- **Energy** : KJ/h, KJ/m, KJ/s, MJ/h, MJ/m, MJ/s, GJ/h, GJ/m, GJ/s, KC/h, KC/m, KC/s
- **Totalizer energy** : KJ, MJ, GJ, KC (*according to Energy unit*)

**Relay output** : 2ch x SPDT Relay AC220V/2A, DC24V/2A

**Auxiliary power** : 24Vdc, 50mA

**Interval time** : 1s, 2s, 4s, 6s, 15s, 30s, 60s, 120s, and 240s

**Storage data** : 3 days (interval of 1s) – 720 days (interval of 240s)

**Data file** : Excel, PDF

**Data interface** : USB 2.0, Micro SD card

**Operating temperature** : 0...50°C

**Operating humidity** : 0...85 %RH

**Power consumption** : ≤ 5W

**Power supply** : 220 Vac or 24Vdc

**Dimension** : 160 x 80 x 110 mm (W x H x D)

**Weight** : 470 g

#### 2 value-Display

- Flow rate
- Totalizer



#### Maximum 4 parameters

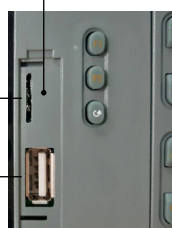
- Flow rate
- Energy
- Temperature
- Pressure
- Totalizer
- Totalizer energy



#### Data Exporting port

Micro SD card

USB 2.0



### Ordering code

FDI-7600-

- 1 : Power supply 220 Vac
- 2 : Power supply 24 Vdc

**Example order** : FDI-7600-1

Flow totalizer display with power supply 220 Vac

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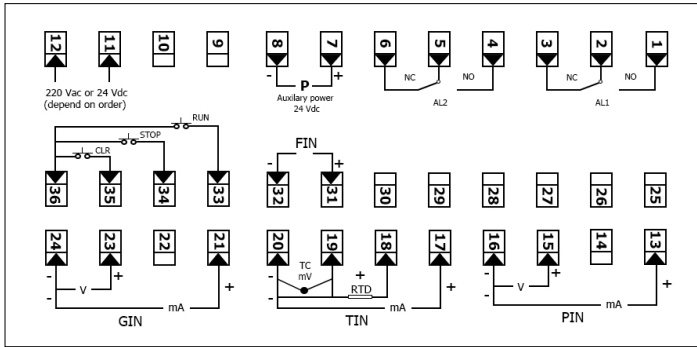
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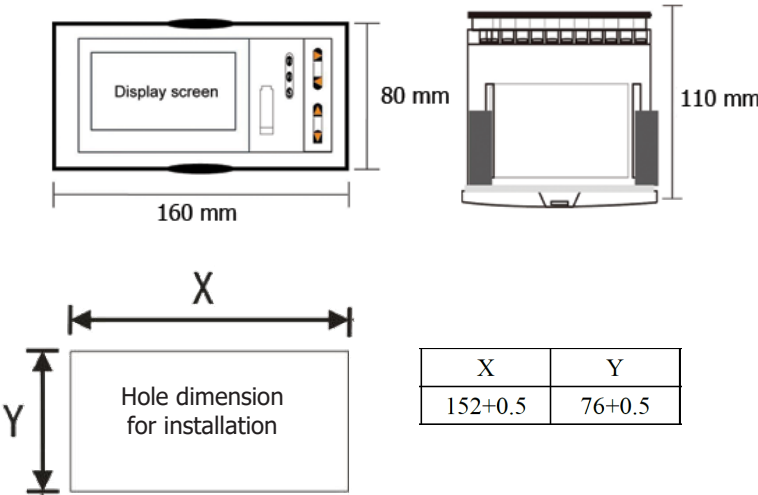
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### Wiring diagram



GIN : Flow input  
 TIN : Temperature input  
 PIN : Pressure input  
 FIN : Frequency input (pulse)

### Drawing



### Software and Report

#### Software



Graph

Table

#### Example report

- flow rate, temperature, Pressure

Time	Flow Rate (m³/h)	Temperature (°C)	Pressure (bar)
1 2021-10-18 19:09:38	159	25.3	1
2 2021-10-18 19:09:39	159	25.3	1
3 2021-10-18 19:09:40	159	25.3	1
4 2021-10-18 19:09:41	159	25.4	1
5 2021-10-18 19:09:42	159	25.4	1
6 2021-10-18 19:09:43	159	25.3	1
7 2021-10-18 19:09:44	159	25.3	1
8 2021-10-18 19:09:45	162	25.3	1
9 2021-10-18 19:09:46	162	25.3	1
10 2021-10-18 19:09:47	162	25.3	1
11 2021-10-18 19:09:48	162	25.3	1
12 2021-10-18 19:09:49	162	25.6	1
13 2021-10-18 19:09:50	162	25.6	1
14 2021-10-18 19:09:51	162	25.6	1
15 2021-10-18 19:09:52	162	25.6	1
16 2021-10-18 19:09:53	162	25.6	1
17 2021-10-18 19:09:54	175	25.6	1
18 2021-10-18 19:09:55	175	25.6	1
19 2021-10-18 19:09:56	175	25.6	1
20 2021-10-18 19:09:57	171	25.6	1
21 2021-10-18 19:09:58	171	25.6	1
22 2021-10-18 19:09:59	171	25.6	1
23 2021-10-18 19:09:00	171	25.6	1
24 2021-10-18 19:09:01	171	25.6	1
25 2021-10-18 19:09:02	171	25.6	1
26 2021-10-18 19:09:03	171	25.6	1

- Totalizer and Energy

totalizer per hour

totalizer per day

totalizer per month

- Power on/off

No.	PowerOff Time	PowerOn Time	PowerOff Length
8	2021-10-21 13:09:23	2021-10-21 14:36:35	000001h27m12s
11	2021-10-21 13:05:04	2021-10-21 13:07:33	000000h0m29s
12	2021-10-21 12:56:09	2021-10-21 12:57:37	000000h0m28s
13	2021-10-21 11:34:23	2021-10-21 11:34:28	000000h0m05s
14	2021-10-20 17:45:40	2021-10-20 18:00:18	000017h04m38s
15	2021-10-20 17:09:13	2021-10-20 17:12:41	000003h03m28s
16	2021-10-15 17:54:54	2021-10-20 16:46:16	000423h06m22s
17	2021-10-15 17:22:04	2021-10-15 17:41:21	000008h19m17s

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