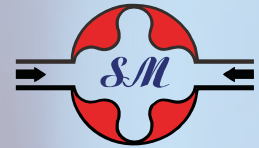


Meter Mounted Flow Rate Indicator Model UFT 8000

Smooth Flowmeters



Features:

- ◆ Accepts Inputs From: Magnetic Pickup Sensor DC Pulses from Flowmeters.
- ◆ Displays Rate & Total Simultaneously
6 Digit Rate Display, 8 Digit Totalizer Display
- ◆ 4-20mA / 0 -10 VDC Analog Output
- ◆ Nonvolatile Flash Memory
- ◆ RS 485 Modbus Communication
- ◆ 2 Relay Output for Hi-Low Alarm and batching
- ◆ K- Factor 10 Point Linearization
- ◆ External 24 VDC \pm 10%

Pulse Inputs :

The UFT 8000 can accept two pulse inputs (A & B). It computes rate and total of A, B, A+B and A-B. The rate is computed within 500 ms per input. To stabilize the rate display, the user can select normalizing factor, which allows weighted average to be shown.

Reset Options :

The all counters, Counter A, Counter B, Counter A+B, Counter A-B, pressing the front panel RST key and also external reset by reset hardware input.

Serial Communications :

The serial port can be used for data acquisition. The unit can communicate with a master device through a Modbus-RTU protocol.

Analog Output :

This Analog O/P can be programmed to track any parameters
Type : 0-10 VDC or 4-20 mA

Relay Output :

This UFT 8000 has to 2 relay outputs
Relay A and Relay B can be programmed to any parameters and configure as a NO and NC.
Relay A & B : 5 A

Lockout :

The unit program and presets can be protected with a Lock code to prevent unauthorized front panel changes. This code can be assigned with a maximum of 4 digits and is user selectable. It can be entered through front panel PORG key.

Specification :

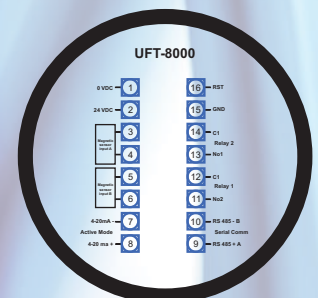
Input Power	: DC : + 24 V DC
Input Current	: 250 mA DC maximum
K- Factor	: Range - 0.001 to 99999999
Display	: 2 lines of 16 characters back lit LCD (character size : 2.95mm x 5.55mm)
Display Resolution	: 6 Digit Total , 6 Digit Rate
Rate Engg.Unit	: / Sec ,/Min,/Hr
Memory	: NVRAM retains data on power failure
Bezel	: IP65 rated membrane keypad
Temperature	: Operating : 0 to 50 C Storage : -20 to 80 C
Humidity	: 10% to 90% (Non condensing)
Enclosure	: IP-66, PESO, CMRI, ATEX Approved

Function Keys :

The UFT 8000 has 5 keys. The table below gives a brief description of the keys and their functions:

Key	At run time	In program mode
	Enter PROG mode	Toggle between menus
	View key to scroll between selected viewing parameters	Left key to shift digits in numerical entry
	PRE A key for Preset A to be changed if unit is not locked	UP key to increment digit/ character selection
	PRE B key for Preset B to be changed if unit is not locked	CLR key clears the numerical field
	RST key to enter 2 times reset the counters	ENT key to save changes and proceed

Terminal Details



- | | |
|---------------------------|-----------------|
| 1. Power Supply – 0VDC | 9. RS 485 + A |
| 2. Power Supply – 24VDC | 10. RS 485 - B |
| 3. Magnetic Input A | 11. Relay NO 2 |
| 4. Magnetic Input A | 12. Relay C 2 |
| 5. Magnetic Input B | 13. Relay NO 1 |
| 6. Magnetic Input B | 14. Relay C 1 |
| 7. Analog Output GND | 15. Reset GND |
| 8. Analog Output 4-20mA + | 16. Reset RST + |

We Measure And Control Every Drop & Molecule



ABOUT SMOOTH FLOWMETERS

The industries have now become more advanced and thanks to the highly developed solutions providers!!! One such name is Smooth Flowmeters. As the very name implies, our company deals with flow meters required by many industries to accurately monitor, measure and control the flow. Mr. Sushant Sahu, the Founder of Smooth Flowmeters, established the company in 2012 with a dream to serve efficiently as a manufacturer, importer & exporter of Flow meters such as Turbine Flowmeter, Electromagnetic Flowmeter Hydraulic oil Flowmeter and the so on. The driving force of our company is the pioneering spirit of the founder & promoter and the zeal to achieve complete satisfaction of our customers. Apart from creating our own range, we partnered with a German based company – KRACHT GmbH. The products range from KRACHT Gear and Screw type PD Flowmeters. Besides this, In 2014, M/S EPO Signal, Russia also partnered with us to market their products like Ultrasonic based air and gas Flowmeters and EVC. Also, we provide the After Sales Service.

OUR INFRASTRUCTURE

Smooth Flowmeters is a company which deals with a complete flow and pressure measurement solutions to various Industries. Our large factory is located in a prime location of Thane, a city in the Indian state of Maharashtra. The manufacturing of flowmeters is carried out by making use of progressive tools and equipments. The facility is upgraded several times since establishment to keep it in pace with the latest technology to meet the increasing requirements. The units wherein the operations are conducted are:

R&D unit

Manufacturing unit

Quality testing unit

Warehouse and packaging unit

HISTORY

Previously, the Company started with commissioning and After Sales Services of Instruments. Wherein, the customers started relying on our services, we expanded our domains by entering into manufacturing and marketing field. The founder, an Instrumentation Engineer, utilized his more than 12 years of on-site experience of handling Flowmeters, Gas Meters and Regulating skid to start his own business. He leveraged his knowledge, skills and experience in oil and gas sector to grow his business.

WATER FLOW CALIBRATION SETUP

Smooth Flowmeters is having a well equipped Calibration Laboratory. The system is designed in standard (ISO-RP-31) Gravimetric Method with master weighing Scale. The calibration is done on the most precise weighing scale having least count of 100 gms on the maximum scale of 2000 Kgs. 10gms on the maximum scale of 100 Kgs. Both Weighing Scales are Calibrated in NABL Accreditation LAB. The Weighing Scale accuracy is endorsed by the Weights & Measures Dept. of Govt. of Maharashtra. The setup is designed for calibration of size ranging from 10 mm to 150 mm. We do 100% Calibration of each unit at our precise calibration setup.

OTHER FLOWMETERS FROM SMOOTH



Turbine Flowmeters



Electromagnetic Flowmeters



Hydraulic Oil Tester



Screw Type PD Flowmeter



Ultrasonic Gas Flowmeter

Note: Development Dictates That From Time To Time The Data Shown Above Is Subject To Change Without Notice..pl Obtain A Offer.

Smooth Flowmeters

Plot No. 1, Mauli Darshan Building, Mhatre Nagar, Behind Lalit Weighing Bridge, Manpada, Dombivli (East) Mumbai - 421204, Maharashtra, India, E-Mail—info@smoothflowmeters.com
Cell-91-9324566321 Website—www.smoothflowmeters.com