Ultrasonic Level Transmitter
GUT801

FEATURES

1. Data backup and restore
2. Could detect and measure level, volume, weight and other values
3. Analog output could be set
4. Digital filter and echo recognition function
5. Could set filter for certain interference
6. User defined data form for port (not default)
7. User defined function operation
8. User defined acoustic velocity (special medium measurement)

SPECIFICATION

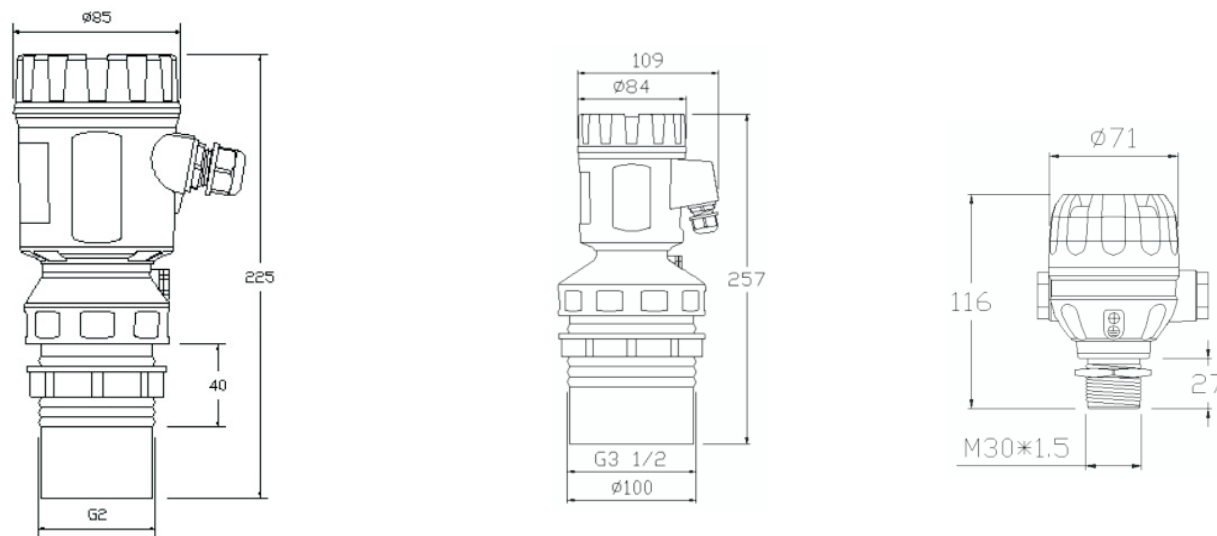| Range	5m, 8m, 10m, 12m, 15m, 20m, 25m, 30m		
Blind area	<0.4~1.5m (according to different range)		
Beam angle	＜12°		
Accuracy	±0.25%F.S　±0.5%F.S		
Output	Analog signal	Digital signal	Switch signal
	4~20mA 0~20mA; 4~20mA Load>300Ω; 0~5V; 0~10V	RS485 that support Modbus	NPN (with PP pulse output option)/ Relay (AC:5A/250V DC:10A/24V)
Power supply	DC12-30V or AC220V		
Consumption	＜1.5W		
Display	4 bits 8 segment OLED display		
Min. resolution	1mm		
Frequency	20 KHz~43.0KHz		
Protection class	Default IP65 (other options customizable)		
Operation temp.	-10℃~60℃		
Housing	ABS/ Nylon		
Cable	User defined (with connectors)		
Dimension	Φ71mm x 116mm x M30 (2m range) Φ92mm x 198mm x M60 (5m~15m range) Φ109mm x 257mm x G3 1/2 (15m~30m range)		
Installation	M30 x 1.5 (2m range) G2 or φ60mm round hole (with large screw ring) (5M-15m range) G3 1/2 (20m-30m range)		
Electrical connection	M20 x 1.5 (two units)		

PRODUCT DESCRIPTION

With perfect function of level measurement, data transmission and HCI (human-computer interaction), the all digital GUT801 ultrasonic level transmitter is a product comply with humanized design concept. It adopts imported industrial MCU and with several extensive integrated circuit modules including digital compensated temperature and super wide voltage input steady modules. The product is with modularized circuit design, military multilayer PCB and other hardware formed in reasonable layout. Water proof housing of GUT801 ultrasonic level transmitter is ABS construction, small but robust. By adding different customized modules, users could get more desire functions (i.e. blue tooth, GPRS, etc.). The transmitter adopts high anti-interference performance, display and various output options including analog, switch and RS485 for easy connection. Users could set max. and min. range and output regulation freely. Since it is reliable and pollution free, the product could be used widely in various fields for level measurement.