

ILT

IMMERSION LEVEL TRANSMITTERS

Description

ientek ILT Series measure under ground water level with stable accuracy and long-term on the basic silicon sensor element technology and electronics module two main parts connected by a cable of variable length. The immersion pressure sensor, the hydrostatic pressure converted this to the value in proportional change of voltage from which is the electronics module produces a standard output signal 4 ~ 20mA (2 wire), 0 ~ 5 VDC.

Features

- Perfect characteristic
- Long- term stability
- Reliability
- Protection : IP67(Water – Proof)
- Housing materials : All stainless steel (316SS)
- Especially use : Water / Sewage water, River depth.



ILT-100 Compact immersion type



ILT-150 Indicating immersion type



ILT-120 Junction box immersion type

Specifications

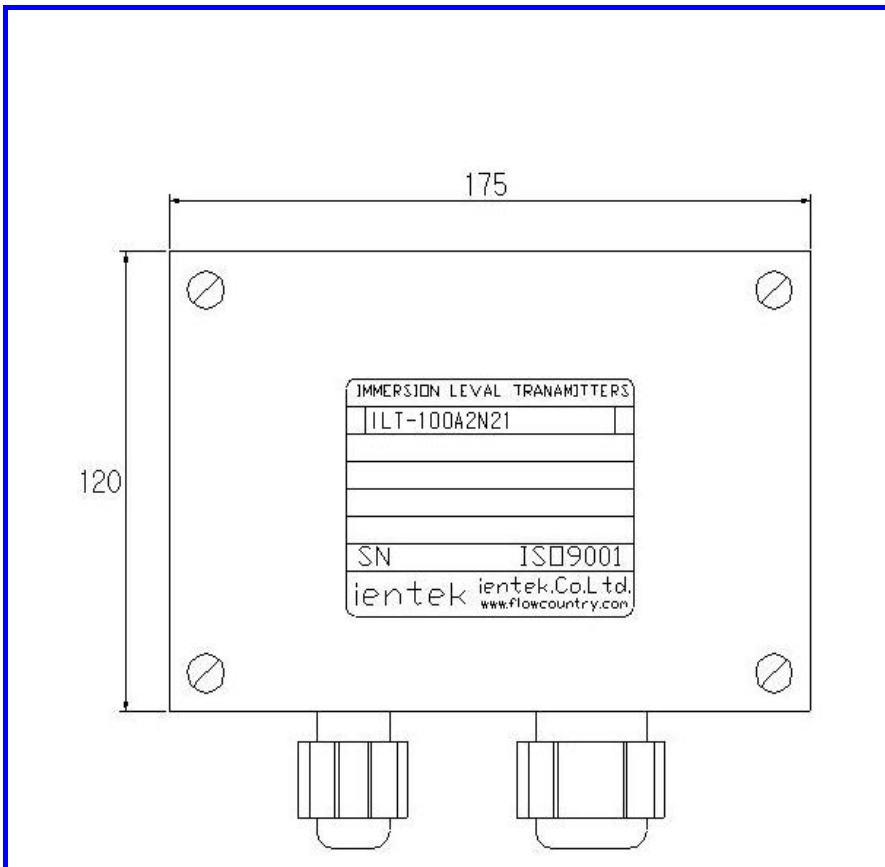
- Range :
 - 0 ~ 1m
 - 0 ~ 3m
 - 0 ~ 5m
 - 0 ~ 7m
 - 0 ~ 10m
 - 0 ~ 50m
 - 0 ~ 100m
 - 0 ~ 250m

On request customer over 250m to 2500m.
- Accuracy : $\pm 0.2\%$ F.S.
- Zero span adjustment : ILT-100 Factory setting.
ILT-120 / 150 Field adjustable.
- Over pressure : 2 times rated pressure when applied 3 minutes
will not cause a zero shift in excess of 0.5% span
- Typical static error band : $\pm 0.25\%$ span
- Typical thermal error band : $\pm 1.5\%$ over -20°C to 80°C
- Compensated temperature range : -20°C to 70°C
- Power supply : 12 ~ 36VDC (Standard 24VDC)
- Output signal : 4 ~ 20mA (2wire)
0 ~ 5V, 0 ~ 10V, 0 ~ 100mV
- Digital indicator : 3 1/2 digits (only ILT-150)
- Operating temperature : -10°C to 70°C
- Sensor diaphragm : Ceramic, 316L SS, Hastelloy-C
- Other wetted part : 316L SS
- Connecting cable : Acrylic insulated cable
Insulating : 5000VDC
Voltage test : 1500VAC per min.
Capacity : Conductor to conductor 50 pF / m
Conductor to shield 90 pF / m
Inductance : 1mH / Km
L / R Loop rate : $\leq 10\mu\text{H} / \Omega$

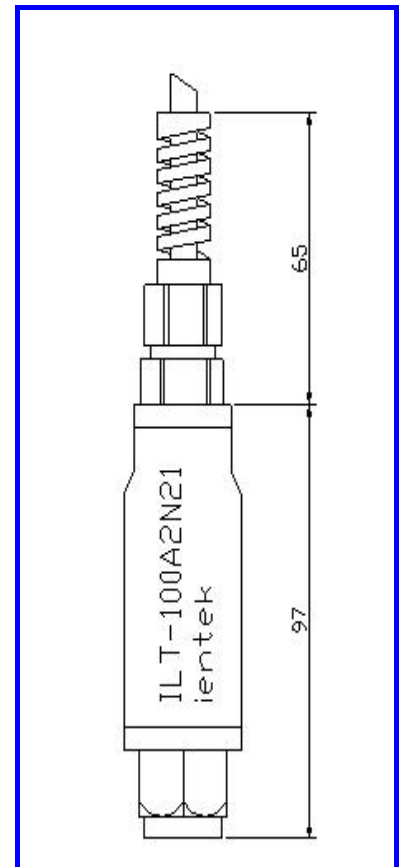
Applications

- Water management
- Ground water level
- Water level monitoring
- Open water tank
- Sewage
- River depth

Dimensions(mm)



REMOTE BOX



SENSOR PART

Ordering Information

MODEL				
ILT	Immersion level transmitter			
	Enclosure type			
	100	Compact immersion level transmitter		
	120	J-Box conn. immersion level transmitter		
	150	Indicating immersion level transmitter		
	Diaphragm material			
	A	316L SS		
	B	Hastelloy-C		
	C	Ceramic		
	Output Signal			
	1	100mV		
	2	4 ~ 20mA		
	3	0 ~ 5VDC		
	Nominal Range			
	J	0 ~ 1m	P	0 ~ 100m
	K	0 ~ 3m	Q	0 ~ 250m
	L	0 ~ 5m	R	0 ~ 500m
	M	0 ~ 7m	S	0 ~ 1000m
	N	0 ~ 10m	T	0 ~ 1500m
	O	0 ~ 50m	U	0 ~ 2500m
	Pressure Port			
	1	1/4" PT		
	2	3/8"PT		
	3	Other on Request.		
	Arrester Protection			
	0	Without		
	1	With arrester		

ILT-

Distributor : _____

Specification are subject to change without notice

Revision history

DATE	Rev. No	PAGE	CHANGES

The latest version of this document and all application notes can be found at:

www.flowcountry.com/