

Density Probe



It is a new product designed by Windbell and sell on market at 2015.

With this density level gauge probe, Users can see the fuel density on monitor screen, and also see fuel level, fuel volume, temperature and water level (if water existed) of underground or/and aboveground storage tank.

High accuracy and reliable performance!



Applied medium

- ✓ Gasoline
- ✓ Diesel
- ✓ Kerosene
- ✓ Ethanol gasoline
- ✓ Methanol gasoline
- ✓ Light oil
- ✓ Water
- ✓ Chemical



Features

- ✓ Real time data transmission.
- ✓ Measure fuel density, fuel liquid level and water level (if have).
- ✓ 5 temperature sensors offer accurate average fuel liquid temperature.
- ✓ Digital signal transition, long up to 1200m communication distance, more stable and high anti-interruption ability.
- ✓ High precision as 0.5mm and resolution as 0.01mm on height.
- ✓ Density accuracy 3 Kg/M3.
- ✓ 316L stainless steel ensures longer lifetime in most petroleum products.
- ✓ Easy to install and maintenance free.
- ✓ IP67 protection grade.
- ✓ Reliable performance and environment adaptability, could be normally working in torrid and freezing climate.

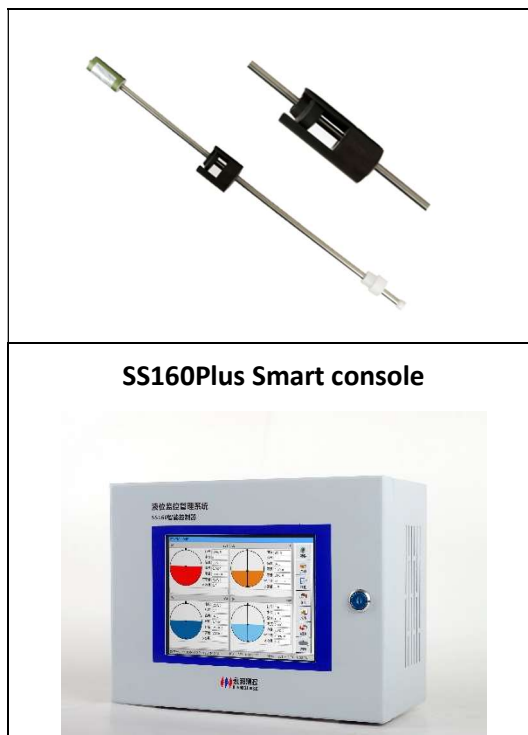
Windbell Measurement and Control

No.9 Changchun Road, Zhengzhou, China 450001 Tel/Fax: +86 371 6030 1609; 6030 1612
www.windbellgauge.com www.windbellatg.com emily@windbelltek.com October 2016

Specification

Power supply	DC12V
Precision	±0.5mm
Repeatability	±0.2mm
Resolution	0.01mm
Temperature accuracy	0.0625°C
Temperature range	-40 to 60°C (-40 to 140°F)
Measure range	1000mm to 4500mm, customized
Temperature sensors	5 points
Maximum comm. distance	1200m
Communication	RS485
Intrinsic safety parameter	Power port: Ui=15V, Ii=400mA, Pi=1.2W, Ci=4.85uF, Li=0 Signal port: Ui=7.14V, Ii=147mA, Pi=0.26W, Ci=0, Li=0
Associated apparatus	GSB03 intrinsic safety barrier
Explosion proof grade	[Ex ia Ga] IIA T4
Definition of wires	Blue Power Brown RS485A White RS485B Black GND
Communication address	6 digits, this is “Manufacturing code “or S/N code on probe nameplate, this is also Probe ID.

Product Solution



Probe Length

Length in mm	Length in Inch
2170	85.5
2270	90
2370	93
2470	97
2570	100
2670	105
2770	110
2870	113
2970	117
3050	120
3170	125

Any length probe can be customized produce between 1000mm and 4500mm.