

**HR9200 Magnetostriction Level Transmitter**

**I. Overview**

HR9200 magnetostrictive level transmitter is a new generation product developed by us, using magnetostrictive principle, combining with advanced digital and analog circuits. It has high measurement accuracy, stable and reliable operation, and can be displayed on-site by LCD meter. It has compact structure, easy installation, strong resistance to power supply interference and environmental interference, and has great flexibility in use and strong environmental applicability.

**II. Specification**

1. Technical parameter

Measure range	300~5000mm (can customize)
Temperature range	-40~+85°C, with meter --20~+70°C
Power supply	+12VDC---+24VDC
Output	Two-wire 4~20mADC

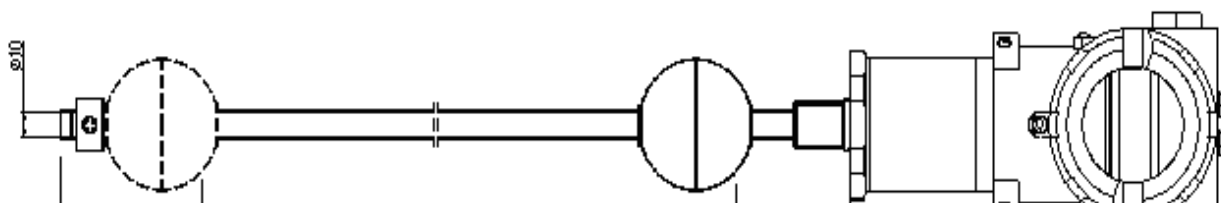
2. Performance specification

Non linear	Better than $\pm 0.2\%$ FS (below 500mm up to 1mm)
Repeatability error	Better than $\pm 0.01\%$ FS
Resolution	Better than $\pm 0.01\%$ FS
Temp. effect	$\pm 0.01\%$ FS /°C
Zero adjustment range	100%FS

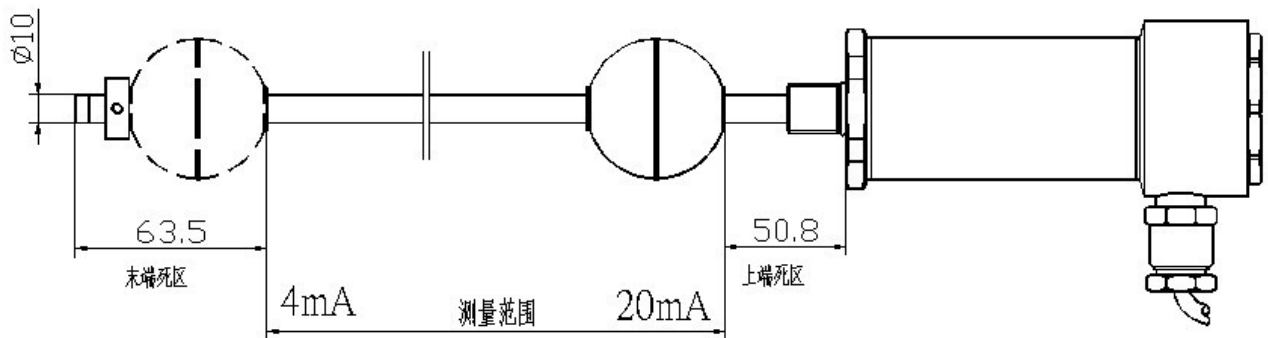
3. construction

Bar material	A. 0Cr18Ni9 (304)      B. 316L SS(customize)
Housing material	0Cr18Ni9(304)
Connection method	A. threaded joint      B. Flange connection
Cable	A. PVC Shielded cable B. Aviation plug C. amphenol connector
Protection level	A. Electronic warehouse IP65      B. bar IP68
Explosion-proof	Intrinsic safety      Exia II CT6

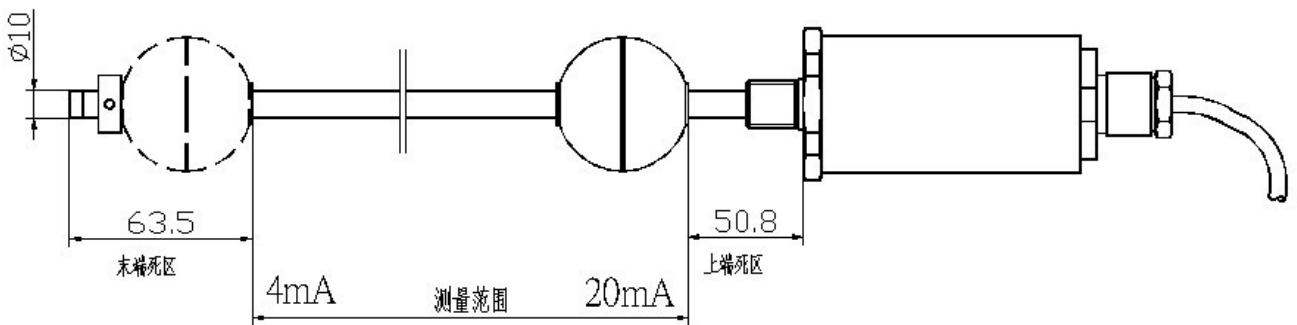
**III Construction outline**



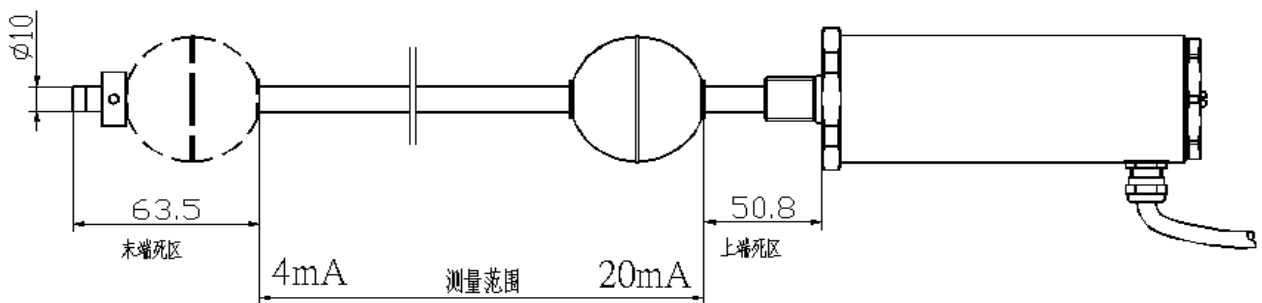
Construction with meter



Cable side outlet Construction



Normal straight cable structure diagram

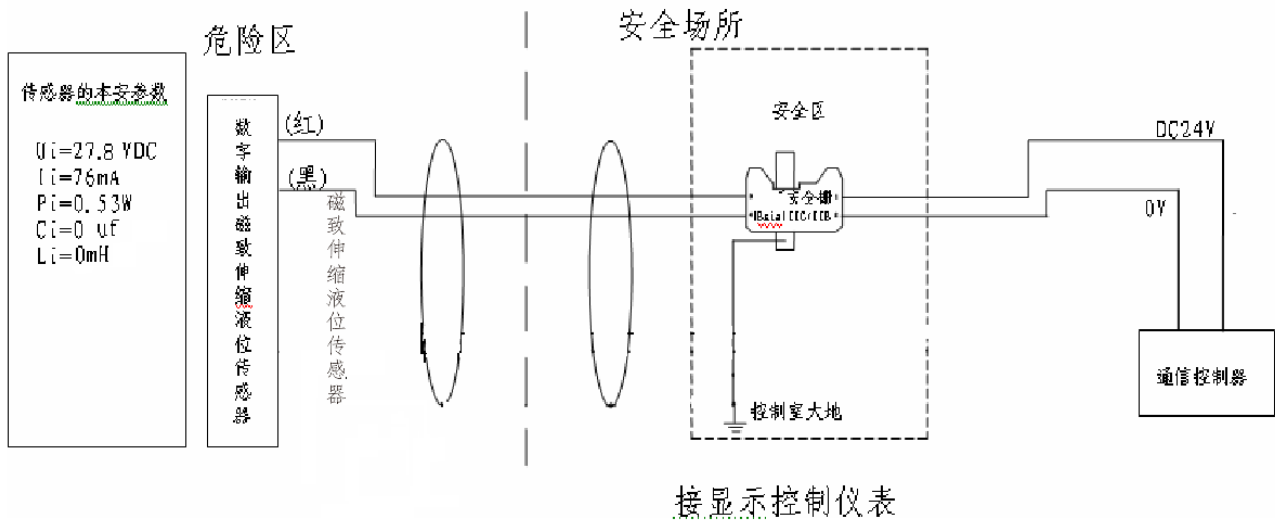


Normal cable side outlet construction

IV. Cable connection

(1) Cable connection method

There are three ways for cable connection: PVC Shielded cable, aviation plug and amphenol connector. Users can selection among them by your requirement on input, output, Zero and F.S position. Cable connection construction as following:



接显示控制仪表

(2) Signal output method:

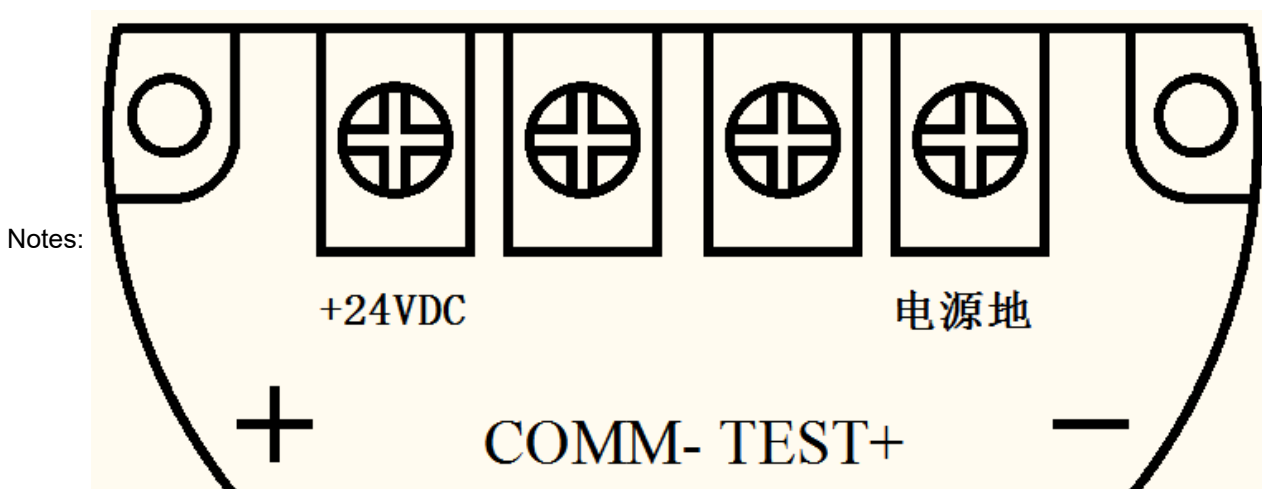
Two-wire current 4~20mA or 20~4mA

Normal and explosion proof optional, please advise when you place order to us.

(3) Cable connection table

Color	Function
Red	V+/Output+
black	V-/Output-

(4) Meter head cable connection



1. Each transmitter need a qualified power supply.
2. The shielded cable of the level gauge must avoid large power supply, RF signal sources and other noisy transmission lines;
3. The shielded cable of the cable must be kept intact and disconnected, and connected to the ground of the subsequent equipment.