

Description

ULB7 series corrosive proof level transmitters are made by using imported high accuracy and stability ceramics sensors, and through precise structural design and temperature compensation, signal amplified and V/I transforming. Its PVDF material housing is full sealed design. The cable of ULB7 is put in PTFE pipe, simultaneously with breathing pipe which makes sensor's back pressure intensity connect to atmosphere pressure. ULB7 series corrosive proof level transmitters are entire solid state products with standard 4~20mA or 0~10mA signal output.

To assure ULB7 to have long life, all outside linking parts on housing and cables have been sealed. The unique internal structure of ULB7 has function of against condensation.

ULB7 series corrosive proof level transmitters have been widely used for static or dynamic level measurement of corrosive liquids as strong acid or strong alkali etc in refinery, chemical plant, glass factory, Sewage treatment plant and so on.



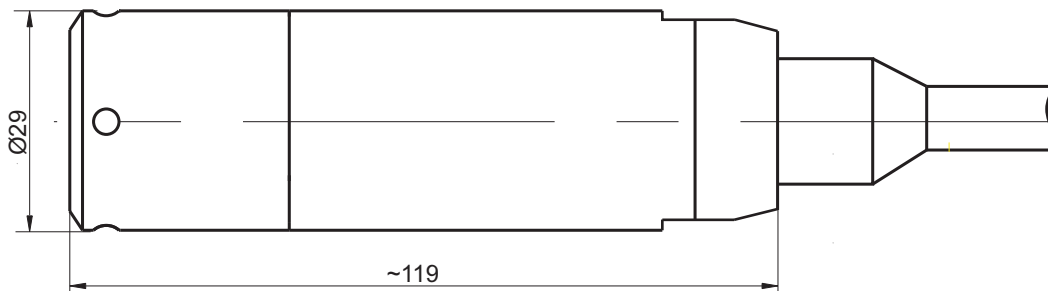
Features

- Suitable for corrosive media measurement like strong acid or strong alkali.
- Anti-interference, good long-term stability.
- PVDF housing, PTFE cable.
- Protection: IP68.

Specifications

measuring ranges	0~2mH ₂ O...500mH ₂ O
overload	200%FS
output signal	4~20mA, 0~5V, 0~10V, 1~5V
accuracy	0.25%FS, 0.5%FS (standard)
load resistance	$R_L = (U - 12V) / 0.02A$ (4~20mA current output) U—loop voltage (V)
long-term stability	<0.2%FS/year
supply voltage	12~36VDC
compensated temperature range	-10~+70°C
operating temperature range	-40~100°C
temperature coefficient of zero	0.25%FS/10°C
temperature coefficient of span	0.25%FS/10°C
insulation resistance	100MΩ@50VDC
electrical connection	Φ9mm shielded cable with vent hose(PTFE)
material of wetted part and housing	PVDF
material of pressure membrane	ceramic (other materials are available on request)
explosive proof	Exia II CT6

Dimensions



ULB7-a integrated type

Ordering code

ULB7			
range	measuring range: 0~2mH ₂ O...500mH ₂ O		
(0~XmH ₂ O)L	X: actual measuring range L: cable length, suggested L-X=(1~2)m		
	code	output	
	O1	4~20mA	
	O2	0~20mA	
	O3	0~5V	
	O4	1~5V	
	O5	0~10V	
	Oz	customer request	
		code	accuracy
		C	0.25%FS
		D	0.5%FS
ULB7	(0~20mH ₂ O)21	O1	C