

Product Datasheet

TSA-470LT

Level Transmitters with a higher specification for more accuracy or demanding applications



Description

TSA-470LT series level transmitters are high accuracy hydrostatic pressure measurement transducers that have a high resistance to media that is oil, acidic, alkali or abrasive. The sensor uses diffused silicone technology to achieve high accuracy. Various design options allow freezing media or anti-blocking or the negative effects from sludge or a depositing media. Manufactured to order.




Note : Also consider TSA-400LT Economical Series

Technical Specifications

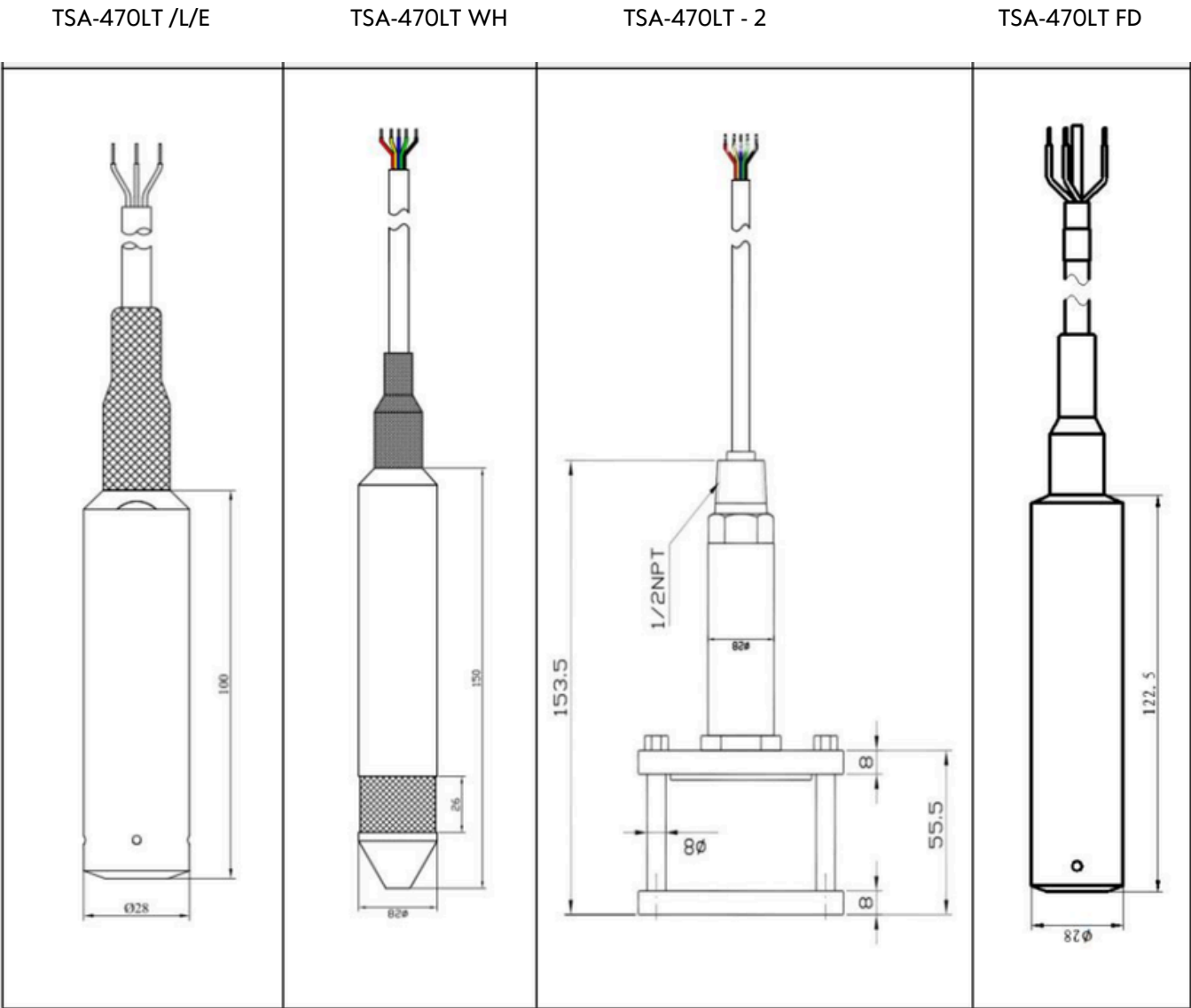
Measuring Ranges	0-1 mWG up to 0-100 mWG
Overload Pressure	1.5 x pressure range (3 x burst pressure)
Ingress protection	IP68 (with suitable M12 plug fitted)
Accuracy	±0.5% FS (at 25C) (optional + 0.25% FS)
Seal	NBR (FKM optional)
Temperature	-40...+85 C (compensation -10...+80C)
Materials	304 Stainless Steel (316 optional)
EMC	EN: 61326-1
Signal Output	4-20mA (2 wire); (optional 0-10V, 0,5- 4,5V)
Supply Voltage	12-30VDC
Cable Material	PE, PUR or FEP

Electrical Connection

	Line color	Line define	
		Two line	Three line
	Red	Supply power (U+)	Supply power (U+)
	Green / Blue	Current output (IO)	Voltage output (VO)
	Black		GND
	Yellow		Shield (PE)

Note : The reference capillary must be kept open to atmosphere ;consider TSA-BOX when extending

Dimensions



Order Codes

Example : TSA-470LT L 003Y 2 A 13 F F4 05

Type										
-	Universal type	Code	Measurement Range							
E	Atex type	001Y	0-1m							
L	Lightning	002Y	0-2m							
WH	Filter nose type	003Y	0-3m							
2	Non-fouling	006Y	0-6m							
FD	Freeze proof	010Y	0-10m							
		050Y	0-50m							
		100Y	0-100m							
		200Y	0-200m							
		350Y	0-350m							
		Code	Accuracy							
		2	± 0.25%F.S							
		5	± 0.5%F.S							
		Code	Output Signal							
		A	4～20mA							
		V	0.5～4.5VDC							
		T	0～10VDC							
		Code	Power supply							
		02	5VDC							
		13	12～30VDC							
		Code	Seal material							
		N	NBR							
		H	HNBR							
		C	CR							
		F	FKM							
		W	Welded structure							
		Code	Cable material							
		PE	PE							
		PU	PUR							
		F4	FEP							
		Code	Cable							
		01	1m							
		02	2m							
		04	4m							
		05	5m							
		XX								