

## Trasduttore di Spostamento - Serie LVDT ACW

- Alto numero di cicli
- Immersibile in acqua di mare
- Acciaio inossidabile
- Risoluzione infinita
- Accuratezza (best) 0.5% F.S.
- Range minimo  $\pm 12.5\text{mm}$
- Range massimo  $\pm 100\text{mm}$
- Lunghezza 224mm
- Diametro 38.1mm

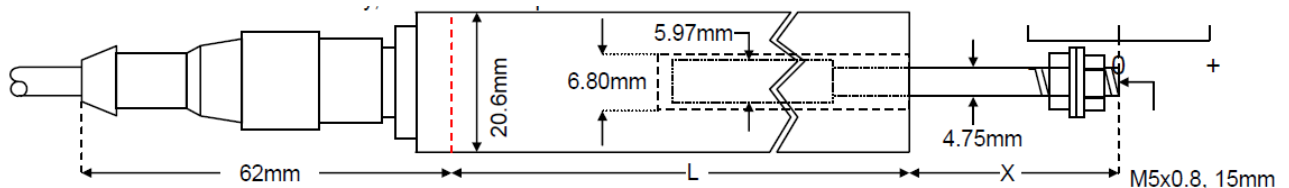


Trasduttori per la misura dello spostamento / posizione.

Fanno una posizione accurata della misurazione del movimento dell'armatura (la parte scorrevole) rispetto al corpo dello spostamento trasduttore.

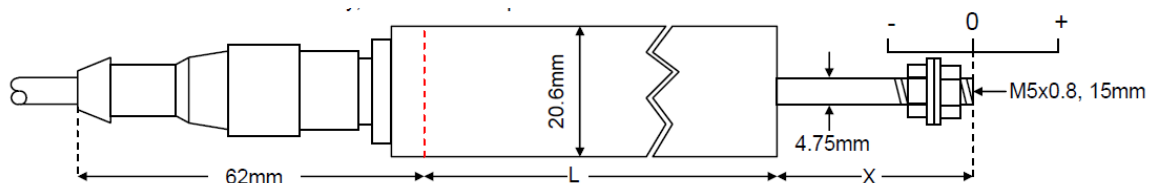
sono progettati per effettuare misurazioni mentre il trasduttore è sommerso, adatto a liquidi.

### Versione senza guida



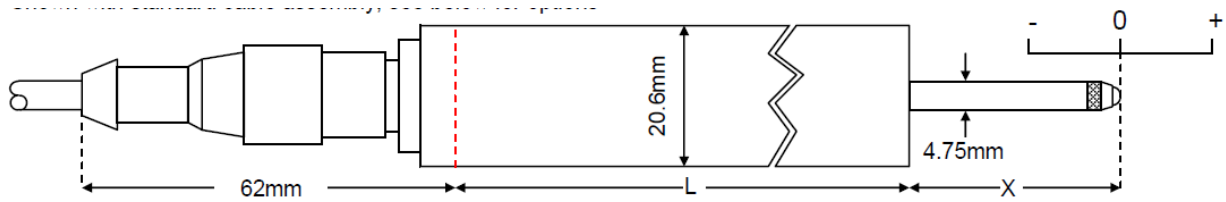
Type	Range	Linearity error (% F.S.)	L	X	Total weight	Armature weight	Inward over-travel	Sensitivity (nom)
ACW500	$\pm 12.5\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	153mm	38mm	200g	19g	10mm	0.7V/V
ACW1000	$\pm 25\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	181mm	63mm	257g	26g	23mm	0.9V/V
ACW2000	$\pm 50\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	304mm	76mm	350g	40g	10mm	1.5V/V
ACW3000	$\pm 75\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	420mm	114mm	484g	57g	23mm	1.5V/V
ACW4000	$\pm 100\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	453mm	127mm	598g	71g	10mm	3.2V/V
ACW6000	$\pm 150\text{mm}$	$<\pm 0.5/\pm 0.25$	632mm	178mm	854g	104g	10mm	2.4V/V
ACW8000	$\pm 200\text{mm}$	$<\pm 0.5/\pm 0.25$	858mm	254mm	1.2kg	142g	36mm	1.5V/V

### Versione guidata



Type	Range	Linearity error (% F.S.)	L	X	Total weight	Inward over-travel	Outward over-travel	Sensitivity (nom)
ACW500B	$\pm 12.5\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	153mm	38mm	314g	10mm	28mm	0.7V/V
ACW1000B	$\pm 25\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	181mm	63mm	370g	17mm	25mm	0.9V/V
ACW2000B	$\pm 50\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	304mm	76mm	541g	10mm	28mm	1.5V/V
ACW3000B	$\pm 75\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	420mm	114mm	683g	23mm	28mm	1.5V/V
ACW4000B	$\pm 100\text{mm}$	$<\pm 0.5/\pm 0.25/\pm 0.1$	453mm	127mm	740g	10mm	28mm	3.2V/V
ACW6000B	$\pm 150\text{mm}$	$<\pm 0.5/\pm 0.25$	632mm	178mm	1.1kg	10mm	35mm	2.4V/V
ACW8000B	$\pm 200\text{mm}$	$<\pm 0.5/\pm 0.25$	858mm	254mm	1.5kg	36mm	41mm	1.5V/V
ACW10000B	$\pm 250\text{mm}$	$<\pm 0.5/\pm 0.25$	1043mm	305mm	1.6kg	36mm	47mm	2.0V/V
ACW15000B	$\pm 375\text{mm}$	$<\pm 0.5$	1443mm	406mm	2.2kg	10mm	28mm	3.2V/V
ACW18500B	$\pm 470\text{mm}$	$<\pm 0.5$	1716mm	508mm	2.6kg	23mm	35mm	3.6V/V

**Versione ritorno a molla**



Type	Range	Linearity error (% F.S.)	L	X	Total weight	Spring force at X	Spring rate	Inward over-travel	Outward over-travel	Sensitivity (nom)
ACW500A	±12.5mm	<±0.5/±0.25/±0.1	153mm	38mm	214g	1.2N	0.2N/cm	6mm	28mm	0.7V/V
ACW1000A	±25mm	<±0.5/±0.25/±0.1	181mm	63mm	257g	1.9N	0.3N/cm	4mm	25mm	0.9V/V
ACW2000A	±50mm	<±0.5/±0.25/±0.1	304mm	76mm	428g	4.1N	0.4N/cm	6mm	28mm	1.5V/V
ACW3000A	±75mm	<±0.5/±0.25/±0.1	420mm	114mm	513g	5.4N	0.4N/cm	29mm	28mm	1.5V/V