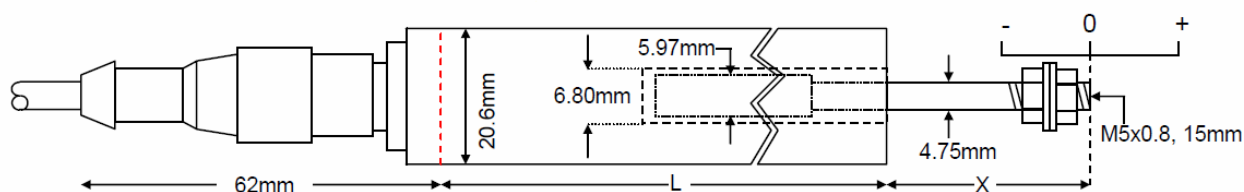


## Trasduttore di Spostamento – Serie LVDT DCW



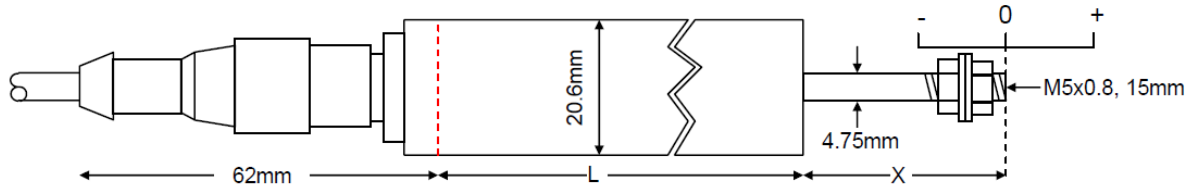
- Amplificatore interno
- Alto numero di cicli
- Immersibile
- Acciaio inossidabile
- Risoluzione infinita
- Uscita 4-20 mA/Volt
- Accuratezza (best) 0.1% F.S.
- Range minimo  $\pm 2.5\text{mm}$
- Range massimo  $\pm 470\text{mm}$
- Lunghezza 68mm
- Diametro 20.6mm

### Versione non guidata



Type	Range	Linearity error (% F.S.)	L	X	Total weight	Armature weight	Inward over-travel
DCW100	$\pm 2.5\text{mm}$	$< \pm 0.5 / \pm 0.25$	68mm	33mm	125g	1.4g	10mm
DCW200	$\pm 5\text{mm}$	$< \pm 0.5 / \pm 0.25$	68mm	33mm	125g	1.8g	7mm
DCW300	$\pm 7.5\text{mm}$	$< \pm 0.5 / \pm 0.25$	68mm	33mm	125g	1.8g	5mm
DCW400	$\pm 10\text{mm}$	$< \pm 0.5 / \pm 0.25$	68mm	33mm	125g	1.9g	2mm
DCW500	$\pm 12.5\text{mm}$	$< \pm 0.5 / \pm 0.25 / \pm 0.1$	203mm	38mm	243g	19g	10mm
DCW1000	$\pm 25\text{mm}$	$< \pm 0.5 / \pm 0.25 / \pm 0.1$	231mm	63mm	300g	26g	23mm
DCW2000	$\pm 50\text{mm}$	$< \pm 0.5 / \pm 0.25 / \pm 0.1$	354mm	76mm	399g	40g	10mm

## Versione guidata

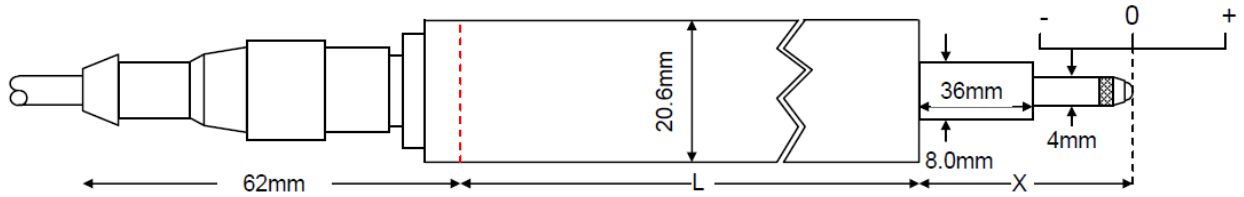


Shown with standard cable assembly, see below for options

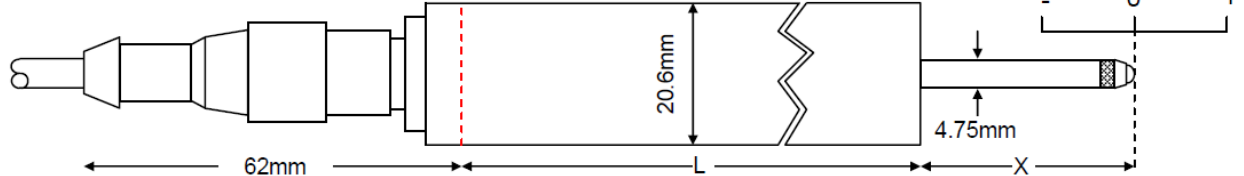
Type	Range	Linearity error (% F.S.)	L	X	Total weight	Inward over-travel	Outward over-travel
DCW500B	±12.5mm	<±0.5/±0.25/±0.1	203mm	38mm	370g	10mm	28mm
DCW1000B	±25mm	<±0.5/±0.25/±0.1	231mm	63mm	428g	17mm	25mm
DCW2000B	±50mm	<±0.5/±0.25/±0.1	354mm	76mm	541g	10mm	28mm
DCW3000B	±75mm	<±0.5/±0.25/±0.1	470mm	114mm	655g	23mm	28mm
DCW4000B	±100mm	<±0.5/±0.25/±0.1	503mm	127mm	797g	10mm	28mm
DCW6000B	±150mm	<±0.5/±0.25	707mm	178mm	1.1kg	10mm	35mm
DCW8000B	±200mm	<±0.5/±0.25	909mm	254mm	1.5kg	36mm	41mm
DCW10000B	±250mm	<±0.5/±0.25	1094mm	305mm	1.7kg	36mm	47mm
DCW15000B	±375mm	<±0.5	1493mm	406mm	2.2kg	10mm	28mm
DCW18500B	±470mm	<±0.5	1766mm	508mm	2.6kg	23mm	35mm

## Versione ritorno a molla

DCW100A to DCW400A



DCW500A to DCW3000A



Shown with standard cable assembly, see below for options

Type	Range	Linearity error (% F.S.)	L	X	Total weight	Spring force at X	Spring rate	Inward over-travel	Outward over-travel
DCW100A	±2.5mm	<±0.5/±0.25	68mm	11mm	135g	0.9N	0.9N/cm	2mm	1mm
DCW200A	±5mm	<±0.5/±0.25	68mm	13mm	136g	0.9N	0.8N/cm	0mm	1mm
DCW300A	±7.5mm	<±0.5/±0.25	68mm	18mm	137g	1.3N	0.6N/cm	2mm	1mm
DCW400A	±10mm	<±0.5/±0.25	68mm	22mm	138g	1.7N	0.8N/cm	2mm	1mm
DCW500A	±12.5mm	<±0.5/±0.25/±0.1	203mm	38mm	257g	1.2N	0.2N/cm	6mm	28mm
DCW1000A	±25mm	<±0.5/±0.25/±0.1	231mm	63mm	314g	1.9N	0.3N/cm	4mm	25mm
DCW2000A	±50mm	<±0.5/±0.25/±0.1	354mm	76mm	428g	4.1N	0.4N/cm	6mm	28mm
DCW3000A	±75mm	<±0.5/±0.25/±0.1	470mm	114mm	541g	5.4N	0.4N/cm	29mm	28mm

Specification		
V output	Supply voltage (dual)	±12V to 40V dc, 30mA (typical)
	Supply voltage (single, must be floating)	24V to 40V dc, 30mA (typical)
	Change in output for change in supply	5mV/V
	Output load	10kOhms
	Output ripple	30mV (peak-to-peak typical)
	Electrical output bandwidth	200Hz
	Output impedance	2 Ohms
4-20mA output (>=±12.5mm)	Operating temperature range	-50°C to 80°C
	Supply voltage	12V to 36V dc
	Max loop resistance	(Supply voltage-11) x 50 Ohms
	Output ripple	50uA (peak-to-peak)
	Electrical output bandwidth	200Hz
Both outputs	Operating temperature range	-10°C to 70°C
	Temperature coefficient (zero)	±0.01% F.S. /°C (typical)
	Temperature coefficient (span)	±0.03% F.S. /°C (typical)
	Maximum static pressure	207bar

Output details				
Option code	Note	- position	0	+ position
Standard		-5V (+0% - 5%)	0V	+5V (+0% - 5%)
TM0627		+5V (+0% - 5%)	0V	-5V (+0% - 5%)
TM85A		0V	5V	10V (+0% - 5%)
TM85B		10V (+0% - 5%)	5V	0V
TM0321A	>=±12.5mm	4mA	12mA	20mA
TM0321B	>=±12.5mm	20mA	12mA	4mA