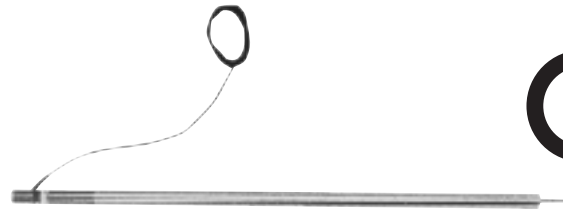


DC-DC Long Stroke LVDTs

Model JEC-C

VOLTAGE REGULATION
EASY TO OPERATE
REVERSE POLARITY PROTECTED


SENSOTEC'S Model JEC-C (captive guided armature) DC-DC Long Stroke LVDT utilizes an improved internal circuit which incorporates both reverse polarity protection and voltage regulation. These features eliminate the danger of permanent damage if supply voltage is accidentally reversed and ensure that sensitivity will remain constant over large variations in supply voltage. This Model requires no further conditioning, thus permitting easy operation. Stroke ranges from 0.5" to 18.5" are available. Free unguided (Model JEC) and captive guided spring return (Model JEC-AG) models are presented on the previous page.

PERFORMANCE
ENVIRONMENTAL
ELECTRICAL
MECHANICAL
**Model JEC-C
(Captive Guided)
Order Code AY323**

Stroke Ranges.....	±0.5" to 18.5"
Non-linearity (max).....	±0.25% F.S.
Output (field selectable)	±5VDC or 0-10VDC
Resolution	Infinite
Temperature, Operating.....	-58°F to 158°F
Temperature, Effect.....	
-Zero (max).....	0.005% F.S./°F
-Span (max).....	0.015% Rdg./°F
Element Type	DC-DC LVDT
Power Supply (@ 30mA).....	
-Single Supply	24 to 40VDC
-Dual Supply	±12 to ±20VDC
Output Impedance.....	2 ohms
Output Load (min.)	2K ohms w/3-wire supply, 20K ohms w/floating supply
Output Ripple	30mv peak to peak
Reverse Polarity Protection.....	Yes
Wiring Code (std)	#31
Electrical Termination.....	Multiconductor shielded cable (6 ft.)
Case Material	Stainless steel
Probe Material	Stainless steel
Armature Type.....	Captive guided
Probe Thread	M5 x 0.8

Dimensions

Model JEC-C (Order Code AY323) Replaces Model MDLC

Range Code	Stroke Ranges	Approx. Unit		Wt. (ozs.)
		L"	X"	
HP	±0.5"	7.5	1.5	12.0
HQ	±1.0"	8.5	2.5	14.0
HR	±2.0"	13.1	3.0	18.0
HS	±3.0"	17.5	4.5	22.0
HT	±4.0"	19.3	5.0	27.0
HU	±6.0"	26.8	7.0	36.0
HV	±8.0"	34.3	10.0	51.0
HW	±10.0"	42.0	12.0	59.0
HY	±15.0"	58.0	16.0	78.0
HZ	±18.5"	68.5	20.0	92.0

