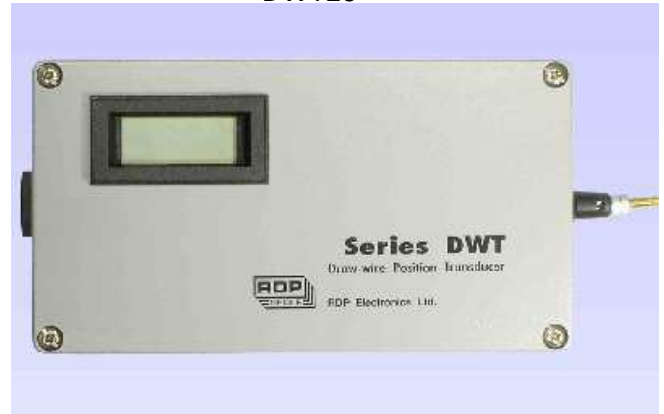


DWT Draw-Wire Displacement Transducer (String Pot)

DWT10



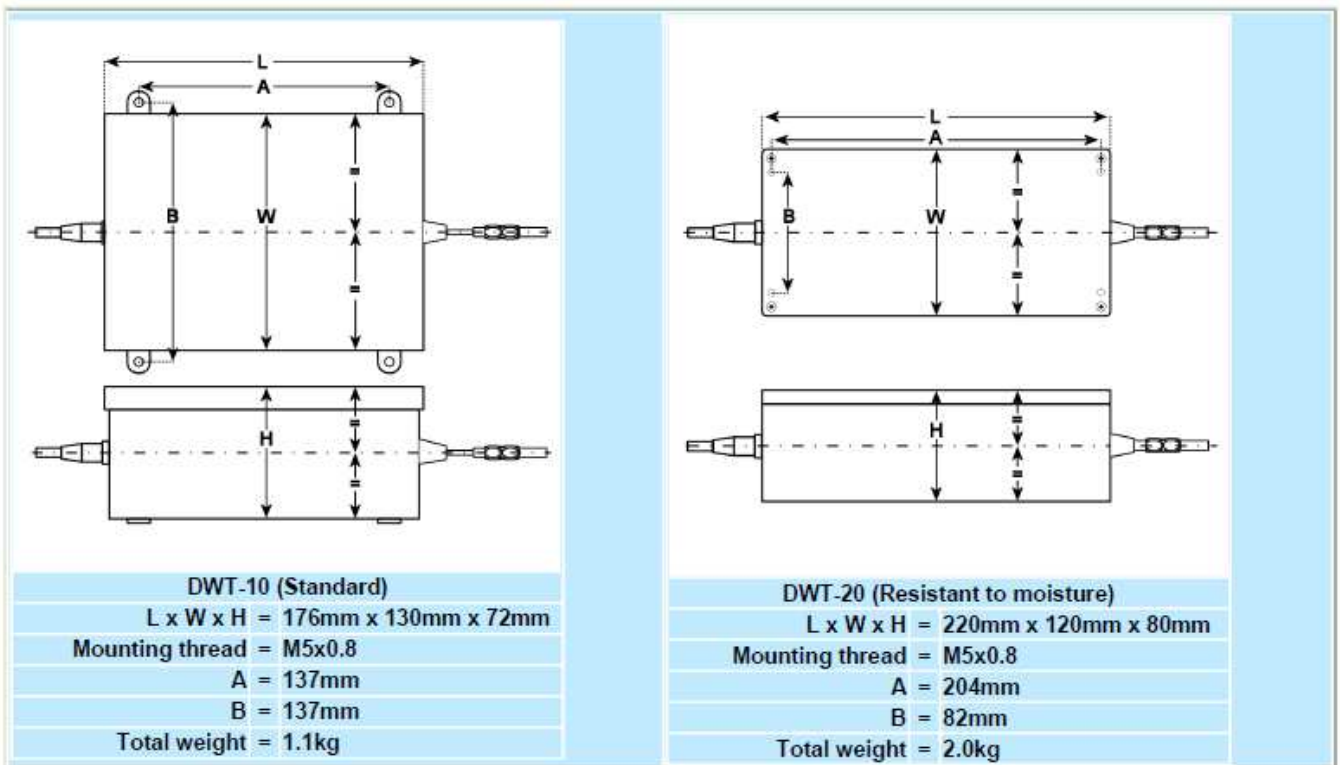
DWT20



A draw-wire displacement transducer or string pot measures the amount of cable which is pulled out of the unit. The draw-wire unit contains a spring-loaded reel which maintains cable tension.

The DWT20 draw-wire displacement transducer has a greater level of environmental protection than the DWT10. However, both units should be used with the cable pointing downward if possible and neither draw-wire is suited to very wet applications.

Various outputs are available as can be seen below.



Specification		
Output A0	Supply voltage	12V to 48V dc
	Output	4-20mA
	Operating temperature range	-15°C to 50°C
	Temperature coefficient	±0.03% F.S. /°C
Output C0	Supply voltage	Unregulated - 15V to 28V dc, 11mA Regulated - 12V, 11mA
	Output	0V to 10V
	Operating temperature range	-15°C to 50°C
	Temperature coefficient	±0.03% F.S. /°C
Output D0	Supply voltage	0V to 25V dc
	Output	500 Ohms Potentiometer
	Operating temperature range	-15°C to 50°C
	Temperature coefficient	±0.002% F.S. /°C
Output AR	Supply voltage	12V to 48V dc
	Output	4-20mA
	Operating temperature range	-5°C to 50°C
	Temperature coefficient	±0.03% F.S. /°C
Output CR	Supply voltage	Unregulated - 15V to 28V dc, 11mA Regulated - 12V, 11mA
	Output	0V to 10V
	Operating temperature range	-5°C to 50°C
	Temperature coefficient	±0.03% F.S. /°C
Accuracy	±0.2% F.S.	
Resolution	0.1% F.S. (typical)	
String pot cable tension	225g	
Cycle life	1000000 operations	
Cable velocity	2m/s (maximum)	

Part number structure

DWT	Housings available	Stroke	Output	Electrical termination options	Units
	XX	XX	XX	X	X
	10 (Standard)	06 = 600mm or 24"	A0 = 4-20mA 2 wire	1 = Connector, mating part supplied	E = mm
	20 (Resistant to moisture)	10 = 1000mm or 40"	C0 = 0V to 10V	3 = Cable gland	U = Inches
		15 = 1500mm or 60"	D0 = 500 Ohms Potentiometer		
		20 = 2000mm or 80"	AR = LDC display & 4-20mA 2 wire		
		25 = 2500mm or 100"	CR = LDC display & 0V to 10V		
		35 = 3500mm or 140"			