

	Short or Narrow Body					Standard				
Axial cable outlet	DZ/1/S	DZ/2/S	-	DP/1/S	D6P/2/S	DP/2/S	DP/5/S	DP/10/S	DP/20/S	DP10/2/S
Radial cable outlet	DZR/1/S	DZR/2/S	DP/0.5/S	-	-	DPR/2/S	-	DPR/10/S	DPR/20/S	-
Body diameter	8h6				6h6	8h6				
Measurement range (mm)	1	2	0.5	1	2	2	5	10	20	2
Pre-travel (mm)	0.15	0.15	0.03	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Over travel (mm)	0.35	0.35	0.05	0.35	0.35	0.85	0.85	0.85	0.85	8.85
Accuracy (% of reading) ¹	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.07	0.05
Repeatability (μm)	0.15	0.15	0.1	0.15	0.15	<0.15				
Tip Force (N) @ centre travel	0.7 ± 20%					0.7 ± 20%				
Resolution (μm user selectable)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.05	<0.1	<0.01
Data speed (user selectable)	Up to 3906 readings per second					Up to 3906 readings per second				
Environmental Protection	IP65 (Probe only)					IP65 (Probe only)				

	Feather Touch				
Axial cable outlet	DT/2/S	DT/5/S	DT/10/S	DT/20/S	DT10/2/S
Radial cable outlet	DTR/2/S	DTR/5/S	DTR/10/S	DTR/20/S	-
Body diameter	8h6				
Measurement range (mm)	2	5	10	20	2
Pre-travel (mm)	0.15	0.15	0.15	0.15	
Over travel (mm)	0.85	0.85	0.85	0.85	8.85
Accuracy (% of reading) ¹	0.05	0.05	0.06	0.07	0.05
Repeatability (μm)	<0.15				
Tip Force (N) @ centre travel	0.3 ± 20%				
Resolution (μm user selectable)	<0.01	<0.05	<0.05	<0.1	<0.01
Data speed (user selectable)	Up to 3906 readings per second				
Environmental Protection	IP50 (probe only)				

Temperature ranges (°C)	
Storage: probe + signal conditioning	-20 to +70
Operating: PIE / T-Con	0 to 60
Probe operating: (not Feather Touch)	+5 to +80
Probe operating: (Feather Touch)	-10 to +80

Materials	
Case	Stainless steel
Probe tip	Nylon or tungsten carbide
Gaiter	High grade polymer (none on Feather Touch)
Cable	2m PUR



Braided and armoured cable and special cable lengths are available on request

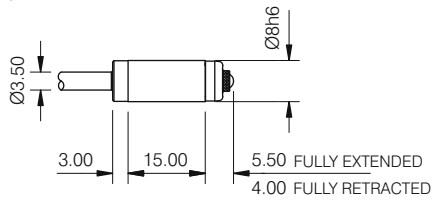
¹ Accuracy 1μm or % reading, whichever greater

Digital Probe interface electronics		
Bandwidth	Up to 460Hz	
Output	Serial RS485 signal level, Solartron Orbit Protocol	
Power (VDC)	5 ± 0.25@0.06A, includes power for probe	
IP Rating	43 (65 available on request)	
Weight (grams)	Probe interface electronics	52
	T connector	36
	DIN rail adaptor + T-Con	46

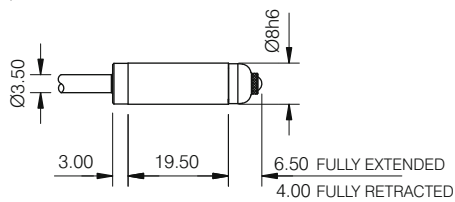
Also see...	
Dimensions and drawings	Page 24 ▶
Special probe tips	Page 34 ▶
Electronics / instrumentation	Page 18 ▶

Compact Spring Push (DZ/S)
Right Angle Compact Spring Push (DZR/S)

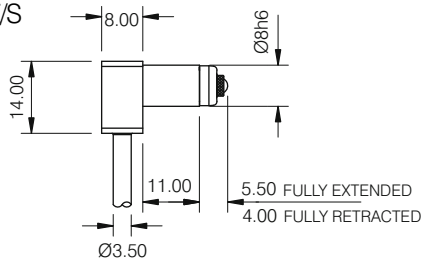
DZ/S



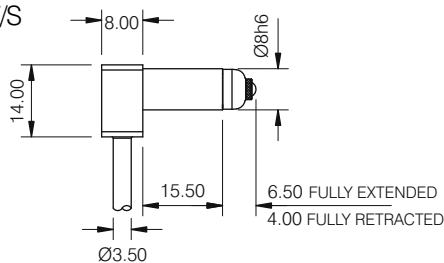
DZ/S



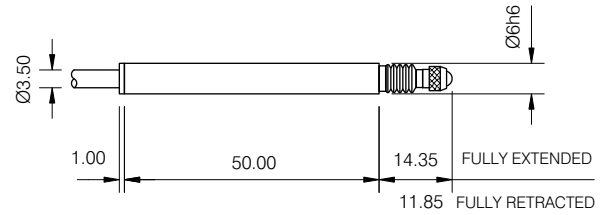
DZ/S



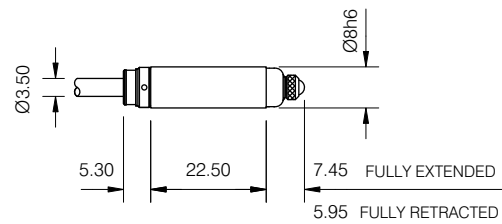
DZ/S



Slim 6mm Ø Spring Push (D6P/2/S)



Ultra Short Spring Push (DP1/S)



Ultra Small Spring Push (DP/0.5/S)

