



Technical drawing of the TS/VS scale assembly, showing side and front views with dimensions in inches and millimeters.

Side View Dimensions:

- Overall scale length minimum = TRAVEL LENGTH + 258(10.2")
- 131(5.16")
- 118(4.65")
- 6.5(0.26")
- 28(1.1")/30(1.2")
- 22.5(0.89")
- 35.0(1.38")
- 53(2.1")

Front View Dimensions:

- 0.05 D
- 0.002 D
- 6.5(0.26")
- 131(5.16")
- 118(4.65")
- 20.0(0.79")
- 38.75(1.53")
- 53.5(2.11")

Labels and Notes:

- Armoured cable $\varnothing 8.5(0.33")$ (min. internal bend radius 30(1.2"))
- LED for TS, VS variants only
- Labels: H, C, P1, P2, A, F, G

Technical drawing of the NEWALL SHGTS sensor assembly, showing side and end views with dimensions and mounting details.

Side View Dimensions:

- Short pillar: 26(1")
- Long pillar: 38(1.5")
- fix both together for extended length of 64(2.5")
- Pillar end mounting points: M8 x 18 deep, C'Bore Ø8.4 x 5 deep
- MIN. 16(0.6")
- MAX. 54(2.1")
- 22.5(0.89")
- 118(4.65")
- 6.5(0.26")
- 11(0.43")
- 28.5(1.12")
- Ø15.2(0.6")

End View Details:

- Mountings "A": Ø5.5 THRO & C'BORE Ø9.0 x 6 DEEP each side of housing to accept M5 cap head screws.
- Mounting "B": Ø5.5 THRO & C'BORE Ø9.0 x 6 DEEP each side of housing to accept M5 cap head screws.
- Mounting "C": Ø5.5 THRO & C'BORE Ø9.0 x 6 DEEP each side of housing to accept M5 cap head screws.

Assembly Labels:

- NEWALL
- SHGTS
- CE
- Newall Measurement Systems Ltd, UK

FOR FURTHER INFORMATION REFER TO INSTALLATION MANUAL

								TITLE				DIMENSIONAL DETAILS for				MATERIAL/ FINISH				SCALE		UNLESS OTHERWISE TOLERANCES: - 0 DECIMAL PLACES ±0.5											
								SHG-TT, SHG-PV, SHG-TS, SHG-VP and SHG-VS Encoders (<100")												1=1		STATED :- 1 DECIMAL PLACE ±0.2											
																						2 DECIMAL PLACES± 0.1											
																						ANGULAR ±1"											
								DRAWN				C.WHITMORE		25-11-14		Leicester NEWALL England				THIS DRAWING IS THE PROPERTY OF NEWALL MEASUREMENT SYSTEMS LIMITED. THE INFORMATION THEREON MAY NOT BE COPIED OR USED WITHOUT WRITTEN PERMISSION				SHEET 1 OF 1		DRAWING NUMBER		316-87290		REV. ISS.		0	
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