

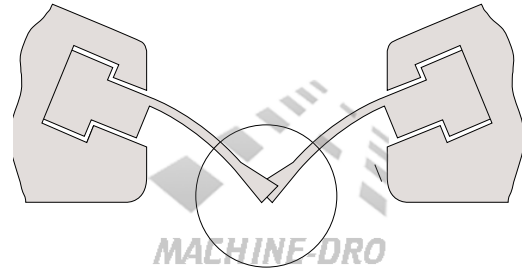


AT715 Linear Encoder Technical

Part No: DRO-MIT-AT715
Doc V: 1.1

- The Mitutoyo AT715, a spar-type linear scale that uses Mitutoyo's ABSOLUTE electromagnetic induction system.
- Environmental resistance rating of IP67.
- The absolute position of the read head is always detected at power-up with no zero- or reference-point setting required.
- An armoured signal cable is used to connect the scale unit to the DRO counter for safe operation in harsh shop environments.
- Longer Scales are available to order.

M-DRO Authorised Distributor of:
Mitutoyo



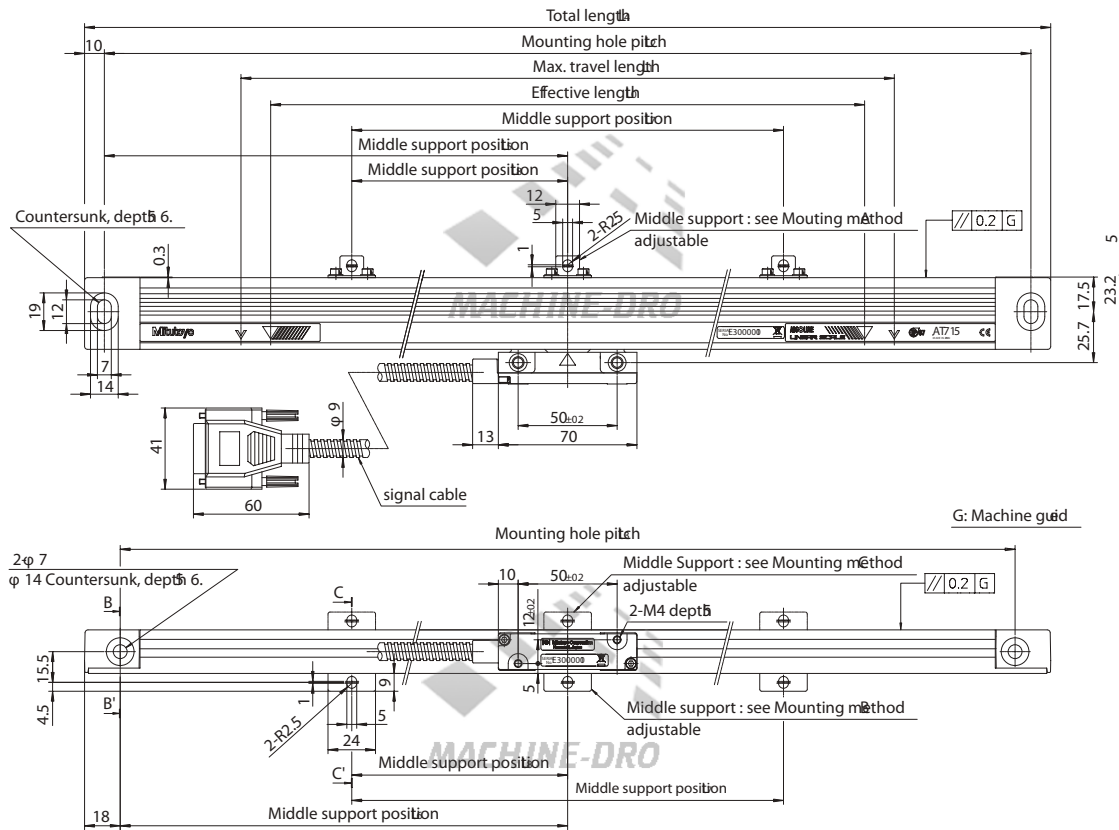
Specifications

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Encoder type	Electromagnetic induction system
Resolution	Set by interpolation of the display console or interface
Accuracy (@ 20°C)	+/- 5µm (100~500mm) +/- 7µm (600~1800mm)
Maximum reading speed	50 metres per minute
Cable length	3 metres flexible armored
Scale length requirement	Reading length +168mm
Protection class	IP67
Output Signal	2-phase sine curves with a phase difference of 90°
Working temperature	0 ~ 45°C
Storage temperature	-20 ~ 70°C
Relative Humidity	20 - 80%RH





Dimensions



Part Number	Reading Length		Mounting Holes		Total Length	
	mm	inch	mm	-	mm	inch
MIT-539-801	100	4	258	-	278	10.94
MIT-539-802	150	6	308	-	328	12.91
MIT-539-803	200	8	358	-	378	14.88
MIT-539-804	250	10	408	-	428	16.85
MIT-539-805	300	12	468	-	488	19.21
MIT-539-806	350	14	518	-	538	21.18
MIT-539-807	400	16	568	-	588	23.15
MIT-539-808	450	18	618	-	638	25.12
MIT-539-809	500	20	678	-	698	27.48
MIT-539-811	600	24	778	-	798	31.42
MIT-539-813	700	28	878	-	898	35.35
MIT-539-814	750	30	918	-	938	36.93
MIT-539-815	800	32	978	-	998	39.29
MIT-539-816	900	36	1078	-	7098	43.23
MIT-539-817	1000	40	1178	-	1198	47.17
MIT-539-818	1100	44	1278	-	1298	51.10
MIT-539-819	1200	48	1378	-	1398	55.04
MIT-539-820	1300	52	1478	-	1498	58.98
MIT-539-821	1400	56	1578	-	1598	62.91
MIT-539-822	1500	60	1678	-	1698	66.85

