

AL1703M | 05M | 10M
AL1903M | 05M | 10M

**MULTI-TURN
WIREWOUND
POTENTIOMETER**

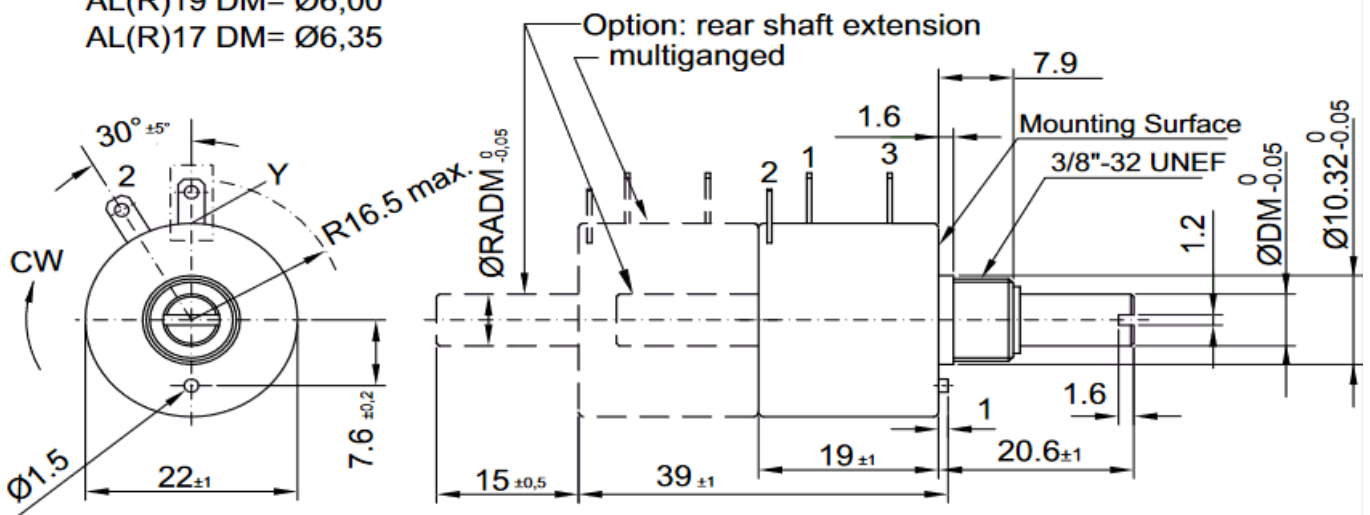
The only difference between AL 17XX and AL 19XX is their shaft diameter : 6.35 mm on AL 17XX and 6 mm on AL 19XX.

Unlike its previous models (AL17xx and AL19xx), the AL17xxM and AL19xxM models are provided with a brass mounting bushing.



- 3, 5 or 10 turns
- 100 Ω to 100 kΩ
- Tandem version is possible

AL(R)19 DM= Ø6,00
AL(R)17 DM= Ø6,35



Electrical spec.	AL1703M	AL1705M	AL1710M
Resistance value (Ω)	100 – 50 k	100 – 50 k	100 – 100 k
Tolerance (%)	± 5	± 5	± 5
Linearity (%)	± 0.25	± 0.25	R<5K = ± 0.25 R \geq 5K= ± 0.15 (R \geq 5k= $\pm 0,1$ R<5k= $\pm 0,15$)
Best linearity (%)	–	–	
Power at 20°C (0 to +105°C) (W)	0.5	1	2
Electrical stroke $\pm 5^\circ$ ($^\circ$)	1080	1800	3600
Residual (Ω)	1 Ω or 0.2 %, the highest value.		
Wipper current (mA)	0.1 recommended / 35 maxi		
Insulation	1000 M Ω under 500VDC		
E.N.R. (Ω)	< 100		
Mechanical spec.			
Whole turns	3	5	10
Mechanical stroke ($^\circ$) +10 –0	1080	1800	3600
Operating friction (Ncm)	<1	<1	<1
Stopper strength (Ncm)	35	35	35
Max bushing pressure (Ncm)	100	100	100
Max. rotation speed (T/min)	40	40	40
Life time (operations)	300 000	500 000	1x10 ⁶
Guiding	sleeves	sleeves	sleeves
Weight (g)	20	20	20
Environmental spec.			
Operating temperature ($^\circ$ C)	-55 to +105		
Material			
Housing	Polyamide		
Shaft	Amagnetic stainless steel		
Pins	Gold coloured brass		
Accessories	Nuts		

sf_al1703-1705-1710M_2105_e02 - Document & produit soumis à modifications sans préavis.

Maximum wipper current is 35 mA

In our range, we also offer counting dials.

Kindly contact us for any special version.

Technical datas can be modified without notice

Main possible options :
Special Tolerance et linearity.
Special shafts (diam, length)
Rear shafts
Tandem version

Upon special request :
Special electrical strokes
Neutral zones



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