

**AL1703 / 05 / 10**

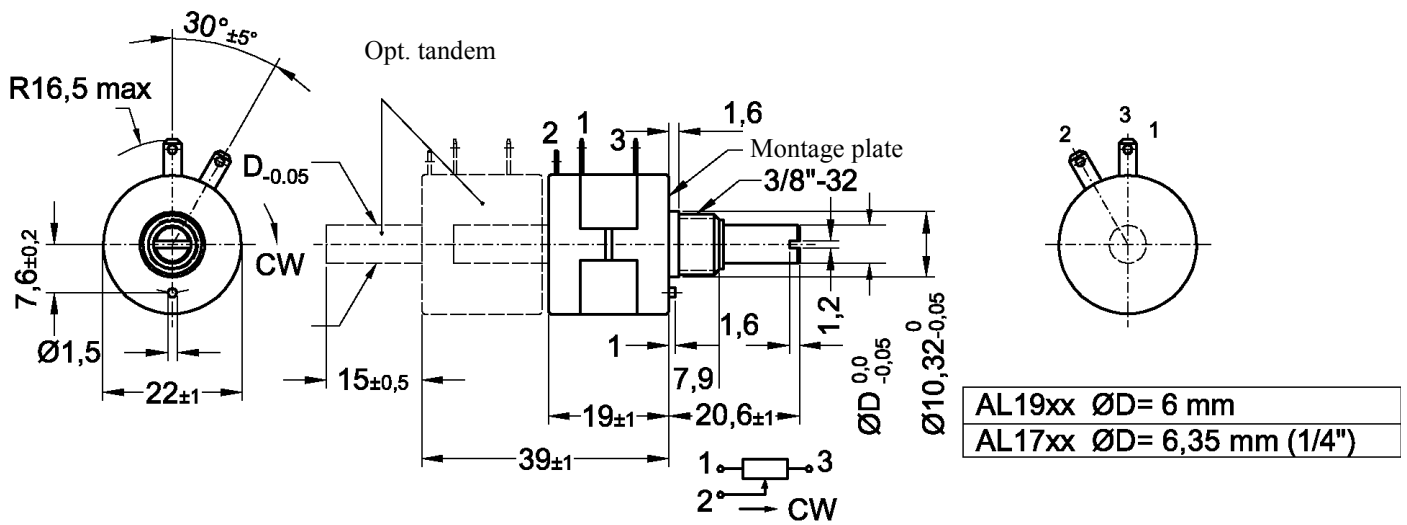
**AL1903 / 05 / 10**

**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



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



<b>Electrical spec.</b>	<b>AL1703</b>	<b>AL1705</b>	<b>AL1710</b>
Resistance value ( $\Omega$ )	100 – 50 k	100 – 50 k	100 – 100 k
Tolerance (%)	$\pm 5$	$\pm 5$	$\pm 5$
Linearity (%)	$\pm 0.25$	$\pm 0.25$	$\pm 0.25$
Power at 20°C (0 to +105°C) (W)	0.5	1	2
Electrical stroke $\pm 5^\circ$ ( $^\circ$ )	1080	1800	3600
Residual ( $\Omega$ )	1 $\Omega$ or 0.2 %, the highest value.		
Wipper current (mA)	0.1 recommended / 35 maxi		
Insulation	1000 M $\Omega$ under 500VDC		
E.N.R. ( $\Omega$ )	< 100		
<b>Mechanical spec.</b>			
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 <sup>6</sup>
Guiding	sleeves	sleeves	sleeves
Weight (g)	20	20	20
<b>Environmental spec.</b>			
Operating temperature ( $^\circ$ C)	-55 à +105		
<b>Material</b>			
Housing	Polyamide		
Shaft	Amagnetic stainless steel		
Pins	Gold coloured brass		
Accessories	Nuts		

sf\_al1703-1705-1710\_0903\_f03 – Datasheet & product can be modified without notice

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

