

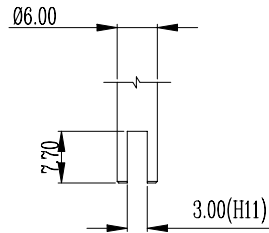
Rotary potentiometer push shaft coupling RP5110

The general purpose RP5110 Rotary sensor is constructed from glass filled nylon and stainless steel for economy and durability, its lightweight design makes it ideal for racing car and automotive applications. It is sealed as standard and fitted with fire and chemical resistant high temperature Raychem FDR-type55-22 cabling ensuring total system reliability. Two shaft options are available from stock (round shaft or push shaft coupling.) The sensor body is designed so that an optional heat-shrink boot can be fitted for complete environmental protection.

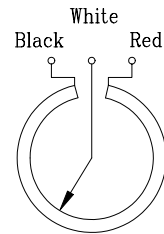
- Options
 Non-standard electrical angle.
 Non-standard shaft.
 Non-standard resistance.
 Connector fitted.
 Heat shrink boots

Headquarters
 Active Sensors Ltd
 Tel +44(0)1202 480620
 Fax +44(0)1202 480664
 e-mail:sales@activesensors.com
 web site:www.activesensors.com

US Sales
 Active Sensors Inc
 Tel (317) 280 1995
 Fax (317) 280 1966
 e-mail:ussales@activesensors.com
 web site:www.activesensors.com



Driving side detail



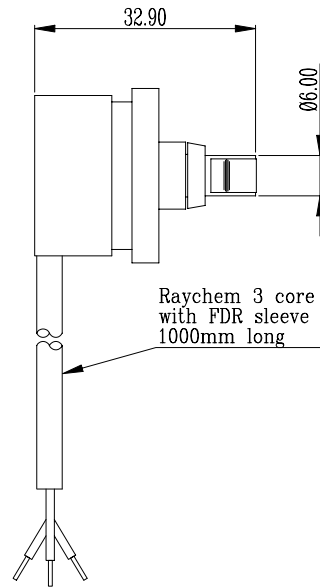
Schematic view on shaft
 Note: Incorrect wiring may cause internal damage.

Electrical data

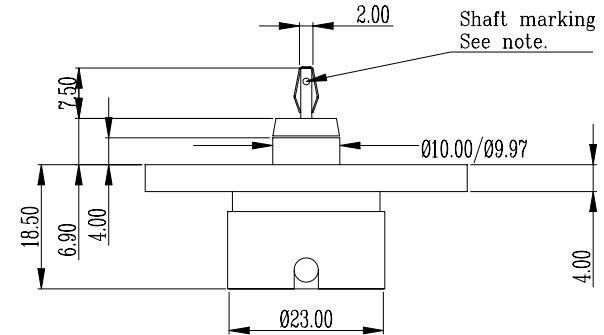
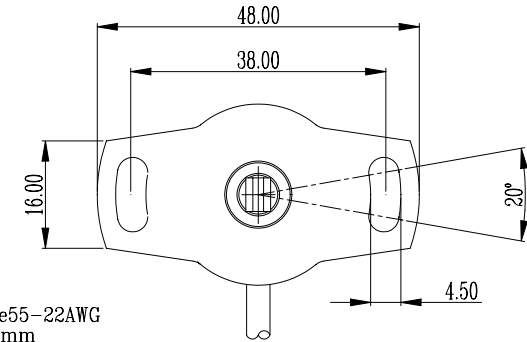
Electrical angle	350°	130°	
Resistance ±20%	5	2	Kohms
Independent linearity	0.3	0.3	±%
Applied voltage (Max)	42	20	Volts
Maximum wiper current	1		mA
Insulation resistance @ 500 Vdc	>100		Mohms
Output smoothness	MIL-R-39023 Grd.C		0.1%

Mechanical data

Operating temperature range	-55 to +125	°C
Mechanical travel	360° continuous	
Weight (approx.)	38	grams
Shaft seal fitted		
Construction:	shaft case	Stainless steel Black glass filled nylon



Raychem 3 core type55-22AWG with FDR sleeve ø3.6mm 1000mm long



Note : When shaft marking is facing cable exit, instrument is mid-travel.

Ordering information:- RP5110-XXX
 Electrical angle (See table)
 For booted version order:- RP5111-XXX