

KWP SERIES WIRE POTENTIOMETER



The KWP Series of Wire Potentiometers are designed to withstand the harsh environments within motorsport and automotive testing applications.

By using a retractable polyamide coated stainless steel wire, the KWP offers high performance and reliability at temperatures up to +80°C. Alternatively, it is capable of operational excellence in cold environments down to -20°C.

The design allows for various Mounting Options for the sensor and comes supplied with a cable output as standard.

Typical applications include: pedal travel, steering angle and suspension travel.

TECHNICAL SPECIFICATIONS

Range (mm)	50	150	250	500	750	1000	1250
Linearity (±%)	0.5	0.25	0.25	0.25	0.25	0.25	0.25
Resolution (mm)	0.1	0.1	0.1	0.15	0.2	0.3	0.4
Resistance (kΩ)	1.0 ±10%						
Supply Voltage	Maximum of 32VDC at 1kOhm / 1W Max						
Temperature Range	-20°C to +80°C						
Temperature Coefficient	±0.0025 5 FSO/°C						
Construction	Draw Wire: Polyamide Coated Stainless Steel						
Draw Wire Acceleration	Approximately 10G						
Draw Wire Retraction Force	Approximately 1N						
Draw Wire Extension Force	Approximately 2.5N					1.6N	1.5N
Protection Class	IP20 or IP60 with Cable and Boot Fitted						
Electrical Connection	Solder Tags or 100cm, 55Spec, 26AWG Cable + DR25 Sleeve						
Protection Class	Cable, Connector Fitted, Labelling or Solder Tags						

KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

Sensors For Motorsport

Features

- 50 to 1250m Range
- Miniature Size
- High Linearity
- Long Life
- Compact Design

Applications

- Pedal Movement
- Suspension Travel
- Steering Angle
- Aero Deflection

kasensors.com

sales@kasensors.com

+44(0)1476 568057

KWP 10.18

PART NUMBER CONFIGURATOR

Range (Stroke)

Stroke	Code
50mm	050
150mm	150
250mm	250
500mm	500
750mm	750
1000mm	1000
1250mm	1250

Electrical Connection

55Spec, 26 AWG Cable + DR25 Sleeve
Solder Tab

C
S

Cable Length

N/A
100cm

000
100

Special Code

None 000

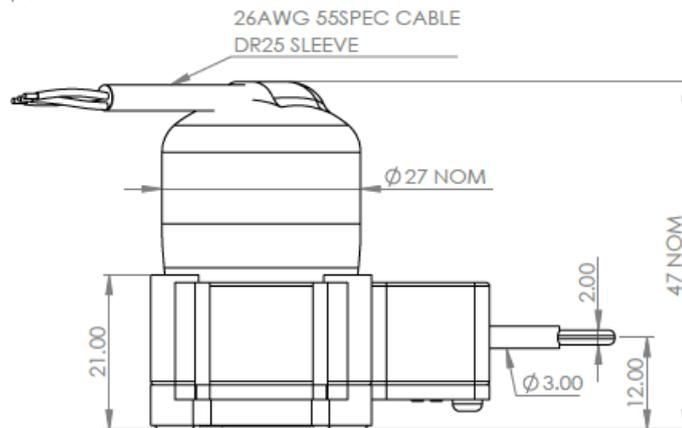
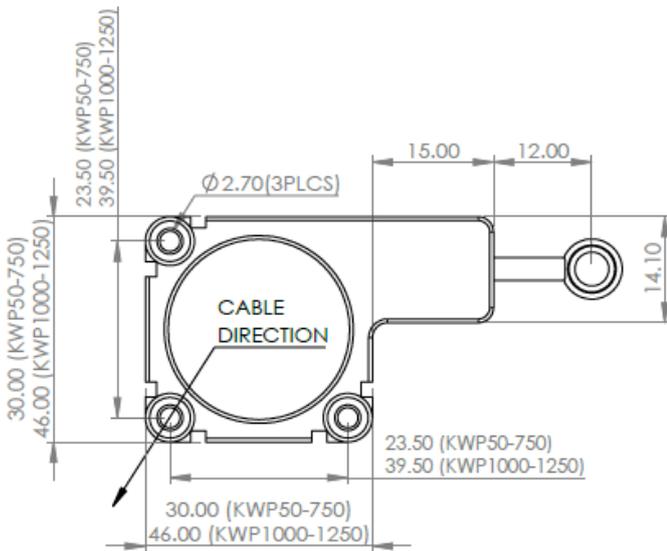
The KA configuration tool is used to specify a standard KA Sensor, other options are available.

*Sense
Analyse
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

MECHANICAL DETAILS



Contact us

KA Sensors Ltd
Unit 14 & 15
The Old Malthouse
Springfield Road
Grantham
Lincolnshire
United Kingdom
NG31 7BG

kasensors.com
sales@kasensors.com
+44(0)1476 568057

CONNECTION DETAILS

+Ve Supply	0V Supply	Signal
Red	Black	White

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