

- MAGNETIC AND OPTIC PRINCIPLE MEASUREMENT
- ABSOLUTE MEASUREMENT
- 59.6 MM BODY DIAMETERS
- INCREMENTAL 2048 PULSE RESOLUTION
- ABSOLUTE Sin/COS OUTPUT SIGNALS
- EASY INSTALLATION DESIGN



TECHNICAL SPECIFICATIONS

Operating Temperature	- 25 to 85 °C
Storage Temperature	- 40 to 100 °C
Protection Class	IP67
Body Diameter	59.6 mm
Response Frequency	120 KHz
Operating Speed	3.000 RPM max.

ELECTRICAL SPECIFICATIONS

Supply Voltage	+5 V _{DC} , +10V _{DC} ...30V _{DC}
Supply Current	50mA Nominal
Output Type	1 V _{pp} Sin/Cos
Connection	12 x 0,14 mm ² Cable with shield

ORDER CODE

Series
ARF : SinCos

Body Diameter
59.6 : 59.6 mm

Cable Direction
A : Backside

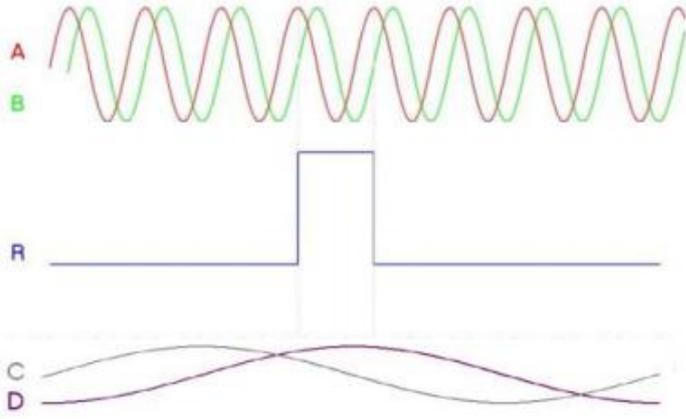


Shaft Type
S : Shaft

Cable Length
3M: 3meter(standart)
5M : 5meter
10M : 10meter
S16: M16 8 Pin Socket Connector
*Optional up to 35 meter

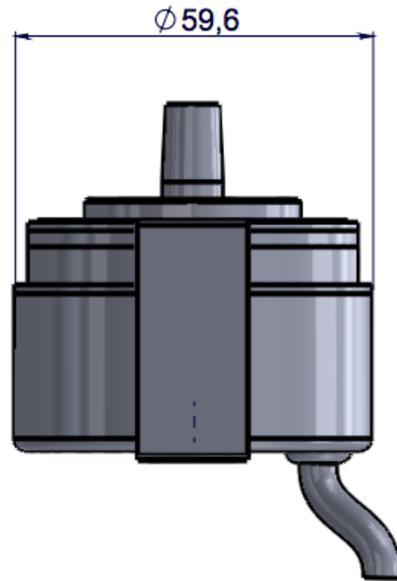
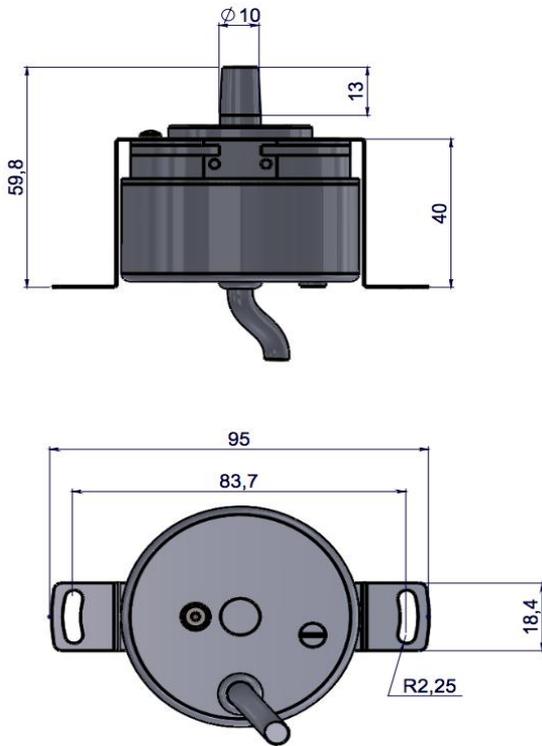
WARNINGS

- There must be minimum distance between the sensor and control unit. Avoid additions except the suitable connector unless it needs.
- Keep away the sensor cable from as high power energy cables, contactor, motor, switched power supplies, inductive and capacitive noisy supplies.
- Shielding edge of the sensor cable must be ground connected.
- Not to damage the sensor supply directions and voltage must be paid attention (For TTL sensor max. 5V, PPL sensor max. 30V). Don't energise before all connections completed.



- Sample signal output graphs: A and B are incremental signals, produced 2048 times in 1 full turn (2048 pulse standard resolution). R is the reference signal, C and D are the absolute sin / cos signals; Produced 1 time in 1 full round.

MECHANICAL DIMENSIONS



Atek Sensor Technology A.S.



Tuzla Kimya Sanayicileri Org. San. Bolg. Melek Aras Bulvarı, No:67 34956 Tuzla - Istanbul / TURKEY

Tel: +90 216 399 44 04

Fax: +90 216 399 44 02

www.ateksensor.com

info@ateksensor.com