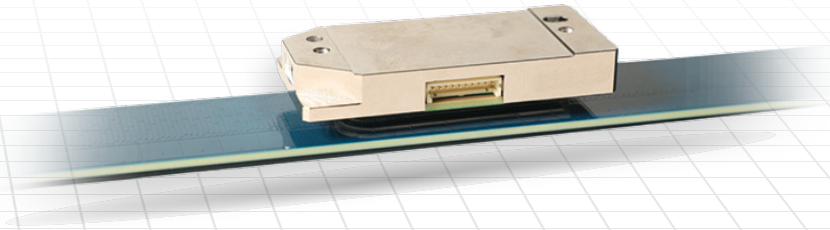


FLEX^eTM

Ultra Flexible operation Absolute Linear Encoder



- Extreme lateral Offset
- Extreme Stand-off

- Vibration resilient
- Immune to dust, scratches & Harsh Conditions

KAPPASENSE'S FLEXe™

KappaSense's FLEXe™ is a Series of extremely wide operational range linear encoders using its unique Capacitive Technology. The Active Readhead can operate with high Y & Z tolerances which could be perfect for operations in vibrating environment.

The FLEXe™ encoder excels in tough environment conditions.

High temperature, dirt & even scratches will not prevent it from providing accurate measurement.

The Flex Kit is comprised of the following:

- > Active Scale
- > Active Readhead
- > Remote Electrical module

TECHNICAL SPECIFICATION

Encoder Parameter	Value
Encoder Type	Absolute / Incremental
Encoder Interface	BiSS C / AQB
Stroke length	Up to 1900 [mm]
Accuracy	$\pm 30 \mu\text{m}^1$
Resolution	$2 \mu\text{m}^2$
Operating Speed	Up to 10 [m/sec]
Operating temp range	$0 \div 70 \text{ }^\circ\text{C}$
Roll, Pitch, Yaw	$\pm 1 \text{ [Deg]}$
Lateral Offset Tolerance	$\pm 3 \text{ mm}$
Readhead stand-off Tolerance	$2 \pm 1.5\text{mm}$

¹ Contact us for improved Accuracy

² Depending on Scale Length

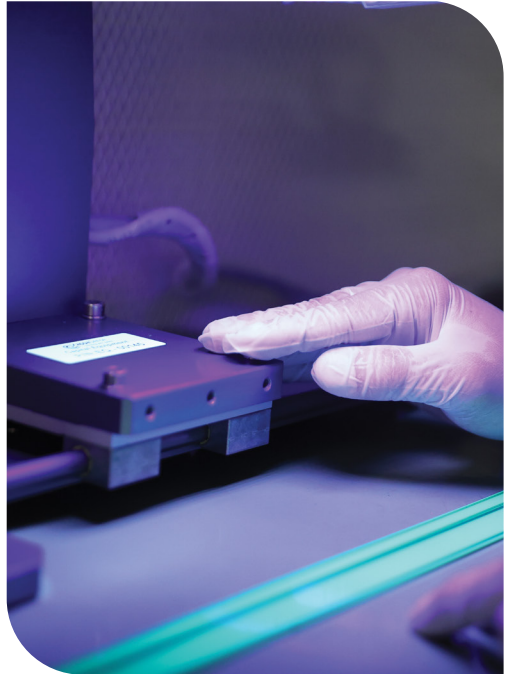


KEY FEATURES

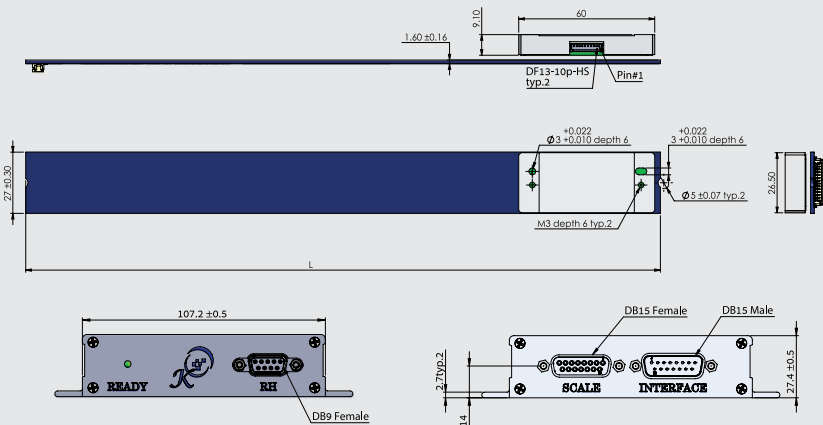
- Superior installation and operation range
- Contamination Immunity, dust, grease & more
- Customizable
- Resilient to vibration
- Immunity to magnetic fields
- Wide temperature range

APPLICATIONS

- Semiconductors Wafer Handling
- Machine Automation
- Printing, Laser & CNC
- Medical Equipment
- Linear Motors, Stages & Actuators
- Challenging environments
(Temp, Vibrations, Dirt)



MECHANICAL DIMENSIONS



Mechanical Dimensions are for reference, contact KappaSense for all options



Ultra Flexible operation Absolute Linear Encoder

ORDERING INFORMATION

Description	Product Family	Measuring Length	Sensing	Communication	Environment	# of Readheads	Factory Specific
	Flex	XXXX	X	X	X	XX	XXX
Options	Flex	0280	A - Absolute	B - BiSS C	S - Standard	01- Single	001
		0760	I - Incremental*	A - AQB	V - Vacuum*	02- Dual*	
		0900					
		...					
		1900					

Ordering Example: FLEX-0760-A-B-S-01-001

* Contact for more information

8 Good reasons for choosing KappaSense FLEXe Encoder

-  Capacitive, Absolute, Linear Encoder
-  Installation Flexibility
-  Temperature Range
-  Immunity to shock & Vibrations
-  Limited Liquid Sensitivity
-  No Magnetic Sensitivity
-  Limited Dust Sensitivity
-  Field-proven in flagship machine

How can we assist you?

You are always welcome to contact us.



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