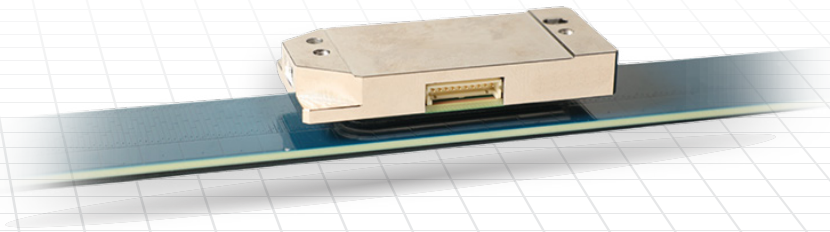


FLEX^e™

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	±30 µm ¹
Resolution	2 µm ²
Operating Speed	Up to 10 [m/sec]
Operating temp range	0 ÷ 70 °C
Roll, Pitch, Yaw	±1 [Deg]
Lateral Offset Tolerance	±3 mm
Readhead stand-off Tolerance	2 ±1.5mm

¹ Contact us for improved Accuracy

² Depending on Scale Length

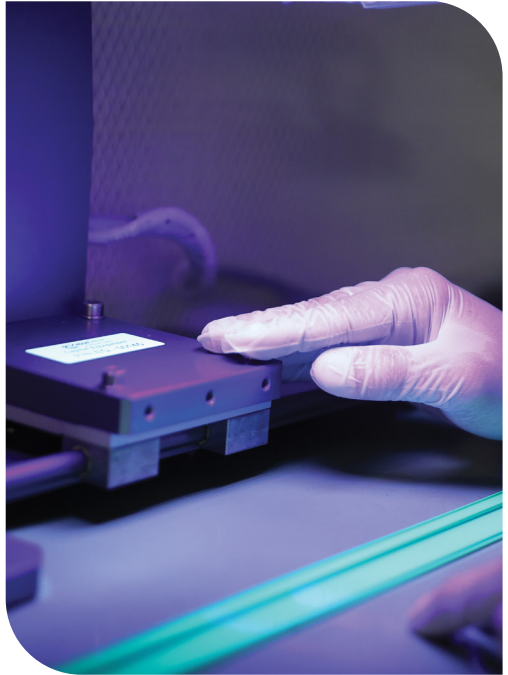


KEY FEATURES

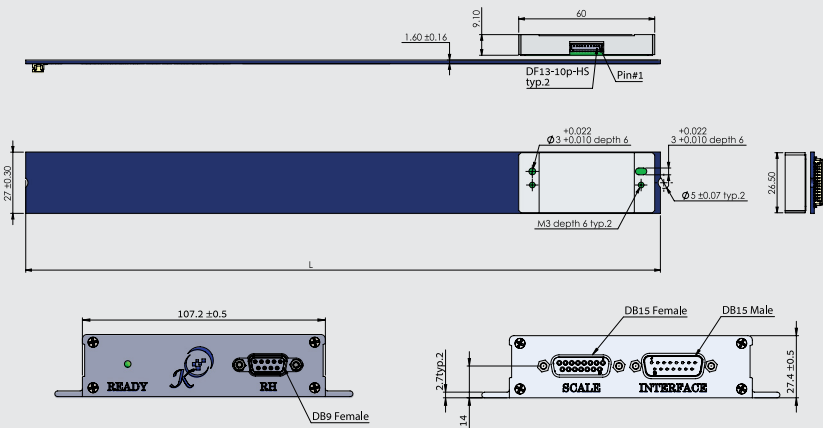
- > Superior installation and operation range
- > Contamination Immunity, dust, grease & more
- > Customizable
- > Resilient to vibration
- > Immunity to magnetic fields
- > Wide temperature range

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

FLEX^e™

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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