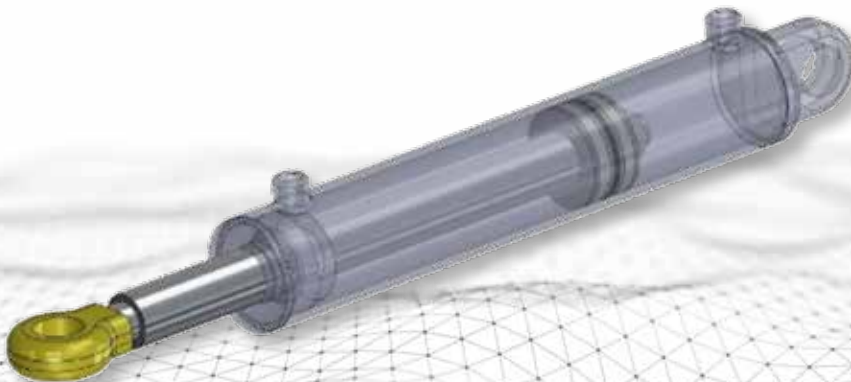◎COBO◎

FTL2 LINEAR DISPLACEMENT SENSOR

Wear free magnetic technology.
CANbus for effective system integration.
Embedded diagnostic.

FTL2 Linear sensor family allows effectively measure displacement of cylinders.
Extremely compact housing allows mimimal impact over cylinder redesign, improving overall total cost of system.
Robust design makes this device an optimal solution on multiple off-highway applications.
Smart logic, together with CANbus communication, allows flexible solutions with and without external ECU active management.
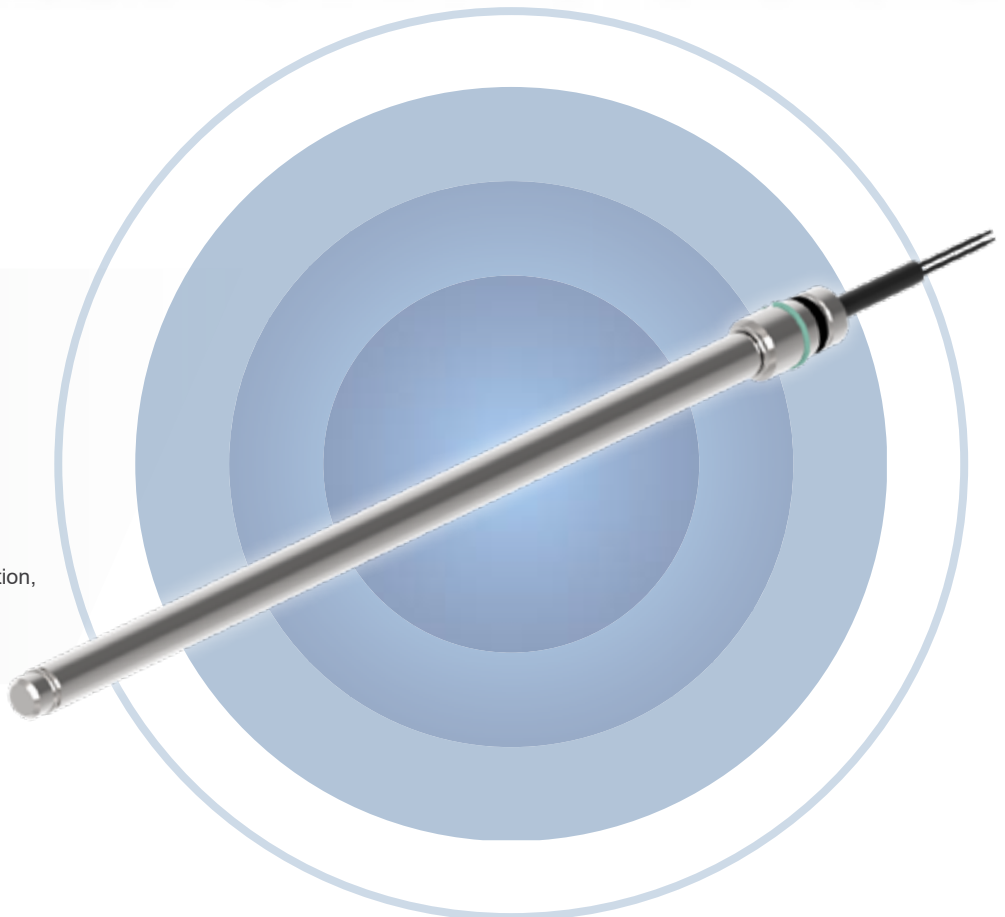
KEY VALUES

Shock proof	Magnetic technology	CANbus
IP68 protection class	Wide temperature range	

Description	P/N
FTL2 570mm	**1110456**

Default Parameters:

ID node: 0x1F

Baud rate: 125kbpS

FTL2 - (136mm STROKE)

FTL2 - (570mm STROKE)

APPLICATIONS

	Material Handling and Lifting Technology
	Agricultural Machinery
	Construction Equipment

TECHNICAL DATA

| Measurement Range	up to 700mm
Supply voltage	+9-36Vdc.
Output signal	CANopen / CAN J1939
Resolution	up to 1mm
Working temperature	-40°C ... +105°C
Vibrations	20g between 10 Hz ... 2000 Hz IEC 60068-2-6.
Shock	Pulse on 3 axes; 50g 11 ms IEC 60068-2-27.
Electromagnetic compatibility	2014/30/EU Electromagnetic Compatibility (EMC).
Protection and immunity	Protected against reverse polarity and short circuit
IP Protection Level	IP68

All performance data are values resulting from qualification tests on specific configuration sample production batch.
Final product configuration, actual application and respect of installation recommendation may impact on some performance data.
Where not differently indicated, data refer to Tamb condition test environment.
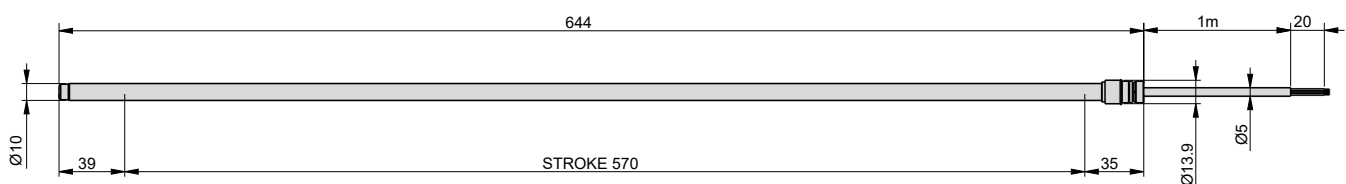
DIMENSIONS

FTL2 - (136mm STROKE)
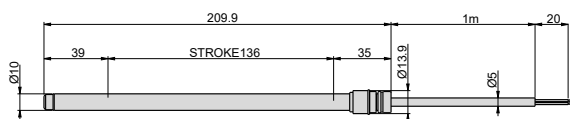
END CAP MOUNTING DETAIL
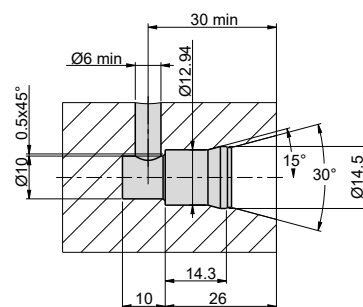
FTL2 - (570mm STROKE)

ORDERING KEY

FAMILY	SUBFAMILY	CASE MATERIAL	CONNECTOR	CHANNEL 1 RANGE (±)	CHANNEL 2 RANGE (±) AND VERSE	SUPPLY VOLTAGE	OUTPUT TYPE	SPECIAL / CUSTOM FEATURE / SW / CUSTOMER	MANUAL ZERO HALL PEN	FACTORY LINEARITY TABLE SUPPLIED	ACCESSORIES / MAGNET TYPE	PROJECT REVISION
LINEAR	**2** in cylinder hall	**S** Steel	**14** free cable 1m, 4 wires	**L570** Linear 570mm	**0NOT** Single channel FTL	**H** 12-24Vdc nominal	**051** CANopen standard	**000** standard	**0** not available (standard)	**0** not supplied (standard)	**000** not present	**1**
							061 CAN J1939				**001** Magnet type 01	

EXAMPLE OF RESULTING ORDERING CODE
FTL2.A.14.L570.0NOT.H.051.000.0.0.000.1

Further possibilities available, some options are mutually exclusive, please contact our team for more details.