

Cilindro Pneumático ISO 15552 com Transdutor de Posição Linear - Série CVME



CVME

Modelo

Diâmetro (mm)	
32	80
40	100
50	125
63	

Curso (mm)

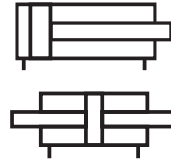
50~900

Haste

---	Simplex
P	Passante
I	Inox

Sinal de Saida

A	0~10Vdc
B	4~20mA



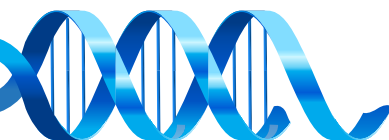
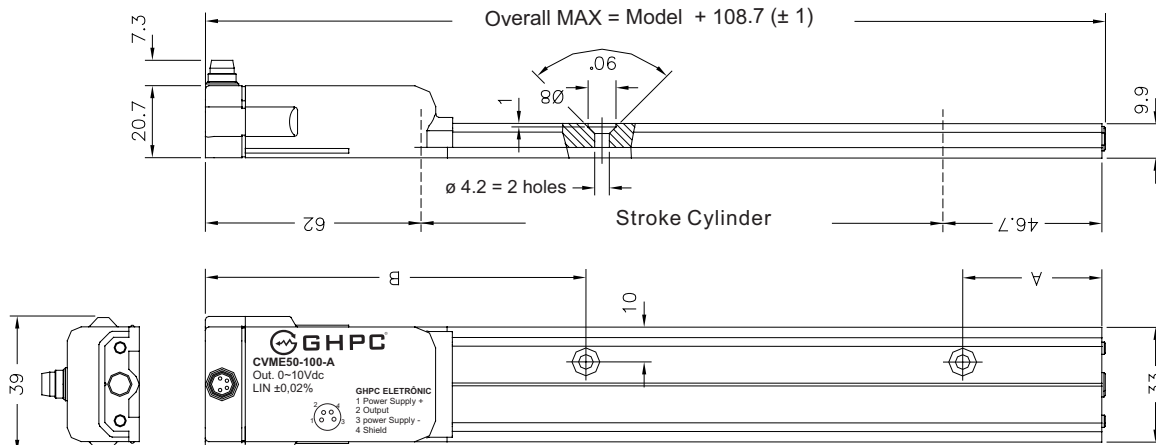
Exemplo: **CVM40-500-B**
CVM63-200-P-A

Características Técnicas Atuador Pneumático

Diâmetro do cilindro (mm)	32	40	50	63	80	100
Diâmetro da haste (mm)	12	16	20		25	
Rosca da haste	M10 X 1.25	M12 X 1.25	M16 X 1.5		M20 X 1.5	
Ligações	G 1/8	G 1/4		G 3/8		G 1/2
Pressão de trabalho (bar)	1 - 9					
Pressão máxima de trabalho (bar)	13.5					
Temperatura de trabalho (°C)	-5 ~ 70					
Velocidade de trabalho (mm/s)	50 - 800					

ELECTRICAL / MECHANICAL DATA

Curso	50	75	100	130	150	175	200	225	250	300	350	360	400	450	500	550	600	650	700	750	800	850	900
Sampling time	1																	1.5					
Electrical stroke (E.S.)	Model																						
Independent linearity	$\leq \pm 0,2\%$ FS (min ± 1 mm)																						
Max. dimensions	Model + 108,7 (± 1)																						
Fixing hole position (B)	84.5		109.5																				
Fixing hole position (A)	35		40																				
Repeatability	$\leq 0,05$ (max)																						
Hysteresis	$\leq 0,2$ (max)																						





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Tecnologia em Produtos Pneumáticos

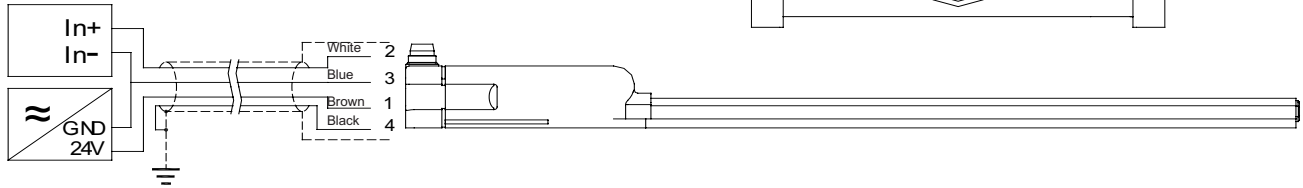
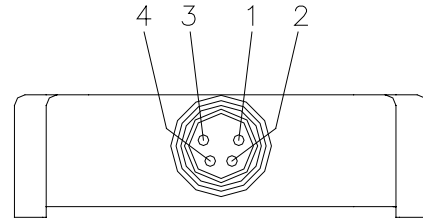
Cilindro Pneumático ISO 1552 com Transdutor de Posição Linear - Série CVME

ELECTRICAL DATA

Output signal	0,5...9,5 V (N)	4,8...19,2 mA (E)
Electrical zero	0,5...0,8 V	4,8...5,3 mA
Span	9 Vdc ± 100 mV max	14,4 ± 0,2 mA
Nominal power supply	24 Vdc ±20%	24 Vdc ±20%
Max. power ripple	1 Vpp	1 Vpp
Output current consumption	35 mA	60 mA
Output load	≥10 KΩ	50...500 Ω
Max. output value	12 V	35 mA
Alarm output value	10.5 V	21 mA
Electrical isolation	50 V	50 V
Prot. against polarity inversion	Yes	Yes
Prot. against overvoltage	Yes	Yes
Prot. against power supply in output	Yes	Yes

ELECTRICAL CONNECTIONS

PIN	FUNCTION
1	Power supply +
2	Output
3	Power supply -
4	Shield



"The diagram shows the ideal wiring conditions, for the noise reduction, with the cylinder housing not connected to the ground. In the case the cylinder housing is connected to the ground, be sure the sensor is isolated from the cylinder housing."

Sensor Aplicável

SM - 32



Exemplo: SM-32P-M8
SM-32N-2M



Tipo	
R	Reed (2 fios)
P	PNP (3 fios)
N	NPN (3 fios)



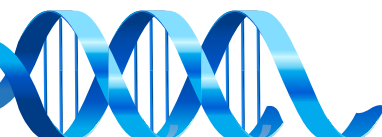
Cabo	
M8	Conector M8
2M	2 metros



Kit de Reparo

Kit Reparo		
Ø do cilindro	Código	Compõe o kit
32	KR-CVM32	Raspador dianteiro;
40	KR-CVM40	
50	KR-CVM50	Vedação do êmbolo;
63	KR-CVM63	Vedação das tampas.
80	KR-CVM80	
100	KR-CVM100	

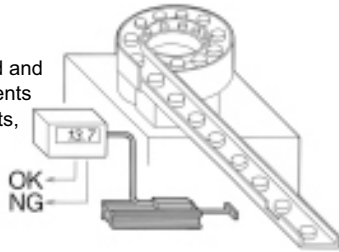
Kit Reparo para Cilindro Haste Passante		
Ø do cilindro	Código	Compõe o kit
32	KR-CVM32P	Raspador (2 peças);
40	KR-CVM40P	
50	KR-CVM50P	Vedação do êmbolo;
63	KR-CVM63P	Vedação das tampas (2 peças).
80	KR-CVM80P	
100	KR-CVM100P	



Exemplo de Aplicação

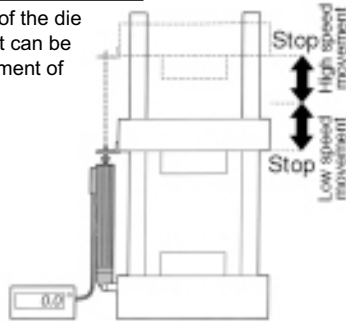
Parts inspection

Measures part dimensions, discriminates between good and defective articles, and prevents the mingling of different parts, etc.



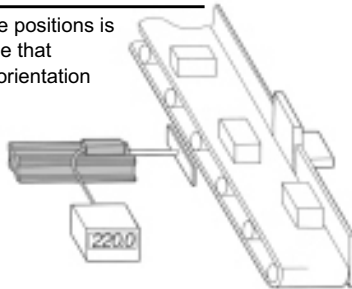
Detection of die assembly's deceleration point

Since the deceleration point of the die assembly can be set at will, it can be easily changed after replacement of the die assembly.



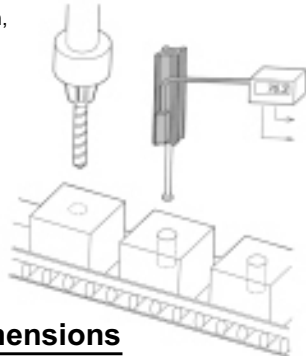
Length/breadth discrimination

Straightening of work piece positions is performed at the same time that longitudinal or transverse orientation is distinguished.



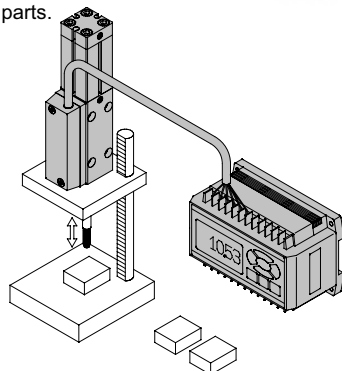
Inspection of machined holes

Can detect machined hole depth, burrs and foreign matter, etc.



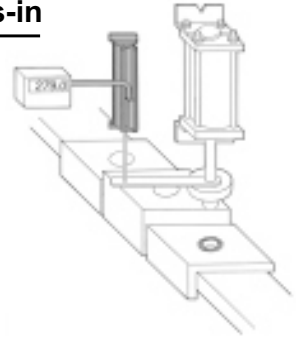
Measurement of dimensions

Can measure dimensions of parts.



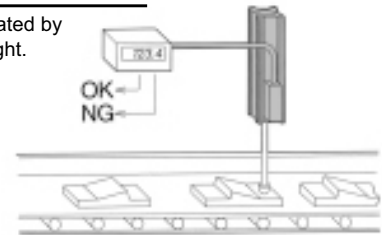
Confirmation of press-in

Can confirm the press-in of a hydraulic cylinder by detecting its stroke. Even if the size of the work piece changes, the point of press-in completion can be easily changed.



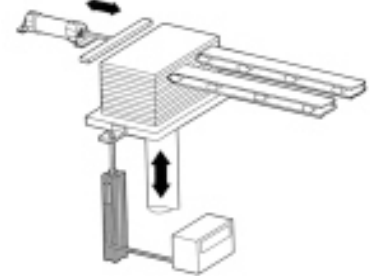
Discrimination of direction

Direction can be discriminated by measuring work piece height.



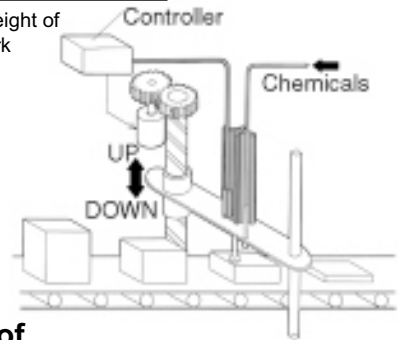
Detection of lifter position

Can continuously monitor a lifter's stroke.



Nozzle height adjustment

Maintains a constant height of the nozzle from the work piece by measuring the work piece height.



Measurement of machining dimensions

Performs adjustment of machining depth, etc. by measuring the part dimensions before machining.

