

ECONOMY Series



The Economy Series is the most popular choice of engineers for general purpose use and their low cost pricing. They are ideal for OEM applications in mechanical testing machines, vehicle research, actuators etc.

Measuring ranges are available from $\pm 0.5\text{mm}$ to $\pm 550\text{mm}$ with linearity better than $\pm 0.5\%$. (Improved linearity and D.C., 4-20mA outputs are available as options.)

The selection chart below shows the standard model options available, but we also offer a CUSTOM-DESIGN service.

For a model to exactly fit your special requirements, please call our Sales Office on 01494 816569

SELECTION CHART - Economy Series

How to choose the measuring range...

All Monitran's LVDT Displacement Transducers start with the series letters MTN.

This is followed by letters which signify the general specification e.g. MTN/EJX.

The measuring range is defined by the numbers following this model designation.

e.g. MTN/EJX50.

The numbers relate to half of the full measuring range, so 50 represents a range of $\pm 50\text{mm}$.

(Note: A $\pm 50\text{mm}$ transducer can be operated in a unidirectional mode i.e. as a 0-100mm device.)

If you need assistance in choosing the right measuring range and overall specification, please consult our Application Engineers.

Economy Series	Temperature Range	Type of Output	No of Wires	Cable Exit	Core / Extension Configuration*	Order Code	Drawing No.
Economy Series	-30°C to +85°C	A.C. Output Tech Sheet SS0398	4 Wire	Axial	Core only	MTN/EJ---	SS0386
				Radial	Core only	MTN/EJX---	SS0324
				Radial	Core only	MTN/EJG---	SS0324
		D.C. Bipolar Output Tech Sheet SS0393	6 Wire	Axial	Core only	MTN/EJ---	SS0327
				Radial	Core only	MTN/EJX---	SS0387
				Radial	Core only	MTN/EJG---	SS0325
		D.C. 0-5V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EJX---	SS0325
					Core only	MTN/EJG---	SS0328
				Axial	Core only	MTN/EJCS---	SS0331
	D.C. 0-10V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EJ---	SS0386	
				Core only	MTN/EJX---	SS0324	
			Axial	Core only	MTN/EJG---	SS0324	
	4-20mA Output Tech Sheet SS0192	3 Wire	Radial	Core only	MTN/ES---	SS0327	
				Core only	MTN/EC---	SS0387	
			Axial	Core only	MTN/ECX---	SS0325	
	-30°C to +150°C	A.C. Output Tech Sheet SS0398	4 Wire	Radial	Core only	MTN/ECG---	SS0325
					Core only	MTN/ECS---	SS0328
					Core only	MTN/ECR---	SS0331
D.C. Bipolar Output Tech Sheet SS0393		6 Wire	Radial	Core only	MTN/ED---	SS0388	
				Core only	MTN/EDX---	SS0326	
			Axial	Core only	MTN/EDG---	SS0326	
D.C. 0-5V Output Tech Sheet SS0394		3 Wire	Radial	Core only	MTN/EDS---	SS0329	
				Core only	MTN/EDC---	SS0388	
			Axial	Core only	MTN/EDCX---	SS0326	
D.C. 0-10V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EDCG---	SS0326		
			Core only	MTN/EDCS---	SS0329		
		Axial	Core only	MTN/EDCR---	SS0332		
4-20mA Output Tech Sheet SS0192	3 Wire	Radial	Core only	MTN/EU---	SS0388		
			Core only	MTN/EUX---	SS0326		
		Axial	Core only	MTN/EUG---	SS0326		
Economy Series	-30°C to +150°C	A.C. Output Tech Sheet SS0398	4 Wire	Radial	Core only	MTN/EUS---	SS0329
					Core only	MTN/EUC---	SS0388
					Core only	MTN/EUCX---	SS0326
		D.C. Bipolar Output Tech Sheet SS0393	6 Wire	Radial	Core only	MTN/EUCG---	SS0326
					Core only	MTN/EUCS---	SS0329
				Axial	Core only	MTN/EUCR---	SS0332
		D.C. 0-5V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EU--- -10	SS0388
					Core only	MTN/EUX--- -10	SS0326
				Axial	Core only	MTN/EUG--- -10	SS0326
D.C. 0-10V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EUS--- -10	SS0329		
			Core only	MTN/EUC--- -10	SS0388		
		Axial	Core only	MTN/EUCX--- -10	SS0326		
4-20mA Output Tech Sheet SS0192	3 Wire	Radial	Core only	MTN/EUCG--- -10	SS0326		
			Core only	MTN/EUCS--- -10	SS0329		
		Axial	Core only	MTN/EUCR--- -10	SS0332		
A.C. Output Tech Sheet SS0398	4 Wire	Radial	Core only	MTN/EI---	SS0388		
			Core only	MTN/EIX---	SS0326		
		Axial	Core only	MTN/EIG---	SS0326		
D.C. Bipolar Output Tech Sheet SS0393	6 Wire	Radial	Core only	MTN/EIS---	SS0329		
			Core only	MTN/EIC---	SS0388		
		Axial	Core only	MTN/EICX---	SS0326		
D.C. 0-5V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EICG---	SS0326		
			Core only	MTN/EICS---	SS0329		
		Axial	Core only	MTN/EICR---	SS0332		
D.C. 0-10V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EH---	SS0386		
			Core only	MTN/EHJ---	SS0386		
		Axial	Core only	MTN/EHJX---	SS0324		
4-20mA Output Tech Sheet SS0192	3 Wire	Radial	Core only	MTN/EHJG---	SS0324		
			Core only	MTN/EHJC---	SS0387		
		Axial	Core only	MTN/EHJCX---	SS0325		
A.C. Output Tech Sheet SS0398	4 Wire	Radial	Core only	MTN/EHJCG---	SS0325		
			Core only	MTN/EH---	SS0386		
		Axial	Core only	MTN/EHX---	SS0324		
D.C. Bipolar Output Tech Sheet SS0393	6 Wire	Radial	Core only	MTN/EHG---	SS0324		
			Core only	MTN/EHC---	SS0387		
		Axial	Core only	MTN/EHCX---	SS0325		
D.C. 0-5V Output Tech Sheet SS0394	3 Wire	Radial	Core only	MTN/EHCG---	SS0325		
			Core only	MTN/EH---	SS0386		
		Axial	Core only	MTN/EHJ---	SS0386		

* Core / Extension Configuration Colour coded boxes

- Core only
- Plain Core & Extension
- Guided Core & Extension
- Sprung loaded Core & Extension
- Guided Core & Extension with Rod End Bearings

DIMENSIONAL DRAWINGS - Economy Series

