

Key Operation

for DSC-800 series




























Here explains based on X-axis (\bar{X} key).
 \bar{X} key can be replaced with \bar{Y} or \bar{Z} .

FUNCTION	OPERATION
<ul style="list-style-type: none"> • Preset • Preset Recall 	$\bar{X} \rightarrow \text{input numbers} \rightarrow \text{ENT}$ or $\bar{X} \rightarrow \text{input numbers} \rightarrow +/- \rightarrow \text{ENT}$ $\bar{X} \rightarrow \text{PRE RCL}$
<ul style="list-style-type: none"> • Display zero 	\bar{X}_0 or \bar{Y}_0 or \bar{Z}_0 ※ to make the display zero
<ul style="list-style-type: none"> • 1 / 2 divide 	$\bar{X} \rightarrow \frac{1}{2}$
<ul style="list-style-type: none"> • INCH/MM conversion 	INCH
<ul style="list-style-type: none"> • Input or find ABS number 	$\text{ABS} \rightarrow \left\{ \begin{array}{l} \leftarrow \\ \rightarrow \end{array} \right\} \rightarrow \text{ENT}$ input numbers ※ ABS can be saved up to 99
<ul style="list-style-type: none"> • Return to Normal mode 	$\text{ABS} \rightarrow \text{ABS}$
<ul style="list-style-type: none"> • Bolt hole circle 	$\text{⊕} \rightarrow \text{Radius or diameter} \rightarrow \text{ENT}$ ※ Factory setting is Radius $\rightarrow \text{the number of holes} \rightarrow \text{ENT}$ $\rightarrow \text{Start angle (Sph)} \rightarrow \text{ENT}$ $\rightarrow \text{Final angle (Eph)} \rightarrow \text{ENT}$ ※ Final angle = Start angle + 360
<ul style="list-style-type: none"> X-Y setting X-Z setting Y-Z setting DIA-RAD setting 	$\text{F} \rightarrow \rightarrow \text{ENT} \rightarrow \text{ENT}$ ※ Factory setting is X-Y $\text{F} \rightarrow \rightarrow \text{ENT} \rightarrow \rightarrow \text{ENT}$ $\text{F} \rightarrow \rightarrow \text{ENT} \rightarrow \rightarrow \rightarrow \text{ENT}$ $\text{F} \rightarrow \rightarrow \text{ENT} \rightarrow \rightarrow \rightarrow \rightarrow \text{ENT}$
<ul style="list-style-type: none"> • ERROR 	⊕ when one of signal cables cut when dirts inside the glass scale when the glass broken or scratched
<ul style="list-style-type: none"> • Direction change (+/-) 	$\text{F} \rightarrow \rightarrow \rightarrow \rightarrow \text{ENT} \rightarrow \bar{X} \rightarrow \rightarrow \left\{ \begin{array}{l} \rightarrow \\ \leftarrow \end{array} \right\} \rightarrow \text{ENT}$
<ul style="list-style-type: none"> • Rate correction 	$\text{F} \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \text{ENT} \rightarrow \bar{X} \rightarrow \text{ENT} \rightarrow \text{input RATE} \rightarrow \text{ENT}$ $\left(\text{Correction} = \frac{\text{Real distance (of a check master)}}{\text{Measured distance (of a readout)}} \right)$
<ul style="list-style-type: none"> • Reset ABS 	$\text{F} \rightarrow \rightarrow \dots \rightarrow \text{ENT} \rightarrow \text{ENT}$ (6 times)
<ul style="list-style-type: none"> • Reset program 	$\text{F} \rightarrow \rightarrow \dots \rightarrow \text{ENT} \rightarrow \rightarrow \text{ENT}$ (6 times)
<ul style="list-style-type: none"> • FND test 	$\text{F} \rightarrow \rightarrow \dots \rightarrow \text{ENT} \rightarrow \text{CE}$ (7 times)



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FUNCTION	OPERATION
● Adding up in lathe	 F → ENT →  } → ENT  }
● Adding up Z and Q axes	 F →  → ... → ENT →  } → ENT (9 times)  }
● Double counting (DIA)	 F →  → ... → ENT → X →  → ENT (5 times)
● EDM ED direction change to UP	 EDM → SET →  →  → ENT
ED direction change to DOWN	 SET →  → ENT Z-axis down, the value increased(+)
	 SET →  → ENT Z-axis down, the value decreased(-)
● Finding coordinates of X, Y axes at Normal mode	 F Push this key while EDM mode
● Resolution setting 5/1000 (5 μ m)	 F →  →  → ENT → X → ENT → 5 → ENT
1/1000 (1 μ m)	 F →  →  → ENT → X → ENT → 1 → ENT
1/100 (10 μ m)	 F →  →  → ENT → X → ENT → 1 → 0 → ENT



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