

# DIGITAL INDICATOR

## SERIES SD30

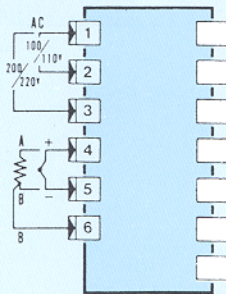
■ DIN Size 96 (H) × 96 (W) × 60 (D) mm



### SPECIFICATIONS

Display:	Digital LED	Power Supply:	See Ordering Information.
Indicating Tolerance:	$\pm 0.5\%$ + 1 digit of measuring range	Power Consumption:	Approx. 4VA
Indicating Range:	See Measuring Range Codes.	Operating Ambient Temperature Range:	-10~+50°C
Indicating Resolution:	See Measuring Range Codes.	Operating Ambient Humidity:	90% RH max.
Input:		Insulation Resistance:	1 min. at 500V AC between input terminal and power supply terminal
R.T.D.:	Pt100	Dielectric Strength:	1 min. at 500V AC between input terminal and power supply terminal
Amperage:	2mA	Installation:	Flush in panel
Lead Wire Tolerable Resistance:	2 $\Omega$ max. / wire	External Dimensions:	96 (H) × 96 (W) × 73.5 (D) × mm
Thermocouple:	J, K, R, S, L (DIN 43710)	Panel Cutout:	See next page.
Input Resistance:	200k $\Omega$	Weight:	Approx. 470g
External Resistance:	100 $\Omega$ max.		
Burnout Circuit:	Standard feature		
Voltage:	0~10mV DC linear		
Input Impedance:	200k $\Omega$		
Current:	4~20mA DC linear		
Receiving Impedance:	250 $\Omega$		

### TERMINAL ARRANGEMENT



**ORDERING INFORMATION**

ITEMS	CODE		SPECIFICATIONS
SERIES	SD30-		Digital Indicator, 96 (H) × 96 (W) mm DIN
INPUT	1		Thermocouple, Input Resistance: 200kΩ, External Resistance: 100Ω max.
	2		R.T.D. (Pt100) — R. T. D. Amperage: 2mA, Lead Wire Resistance: 2Ω max. / wire
	3		Voltage: 0~10mV DC — Input Impedance 200kΩ
	4		Current: 4~20mA DC — Receiving Impedance 250Ω
	9		Others (Please consult before ordering.)
POWER SUPPLY	11-		100~110V / 200~220V AC ±10%, 50 / 60Hz
	12-		110~120V / 220~240V AC ±10%, 50 / 60Hz
INPUT STANDARD	N		None
	J		JIS
	D		DIN
TYPE OF INPUT	J		Thermocouple (J)
	K		Thermocouple (K)
	R		Thermocouple (R)
	S		Thermocouple (S)
	Q		Thermocouple (L) DIN-43710
	P		R.T.D. (Pt100)
	L		Linear — Voltage & Current Inputs
	X		Others (Please consult before ordering.)
MEASURING RANGE		□□□	See Measuring Range Codes.
LEGEND		C	°C Temperature
		H	% RH Relative Humidity
REMARKS		0	Without
		9	With (Please consult before ordering.)

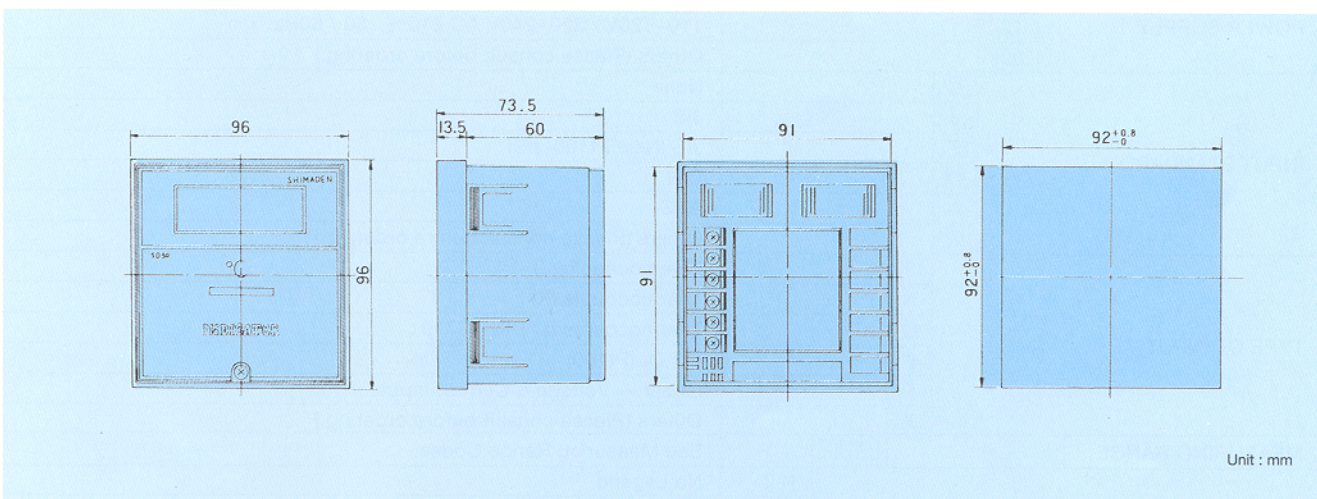
**MEASURING RANGE CODES**

INPUT	RANGE	CODE	DIGIT	LEGEND
R.T.D. (Pt100)	-99.9~ 99.9°C	579	3.5	C
	0 ~ 99.9°C	781	3	
	0 ~399 ° C	792	3	
Voltage / Current	0 ~ 99.9%RH	781	3	H
Thermo- couple	J 0 ~399 °C	792	3	C
	L 0 ~399 °C	792	3	

INPUT	RANGE	CODE	DIGIT	LEGEND
Thermo- couple	0~ 399°C	792	3	C
	0~ 999°C	874	3	
	0~1199°C	877	3.5	
	* 0~1699°C	885	3.5	
	* 0~1699°C	885	3.5	

\*Indicating Tolerance: ±0.7% FS + 1-digit  
of measuring range  
Effective Range: 600°C min.

**EXTERNAL DIMENSIONS & PANEL CUTOUT**



Unit : mm

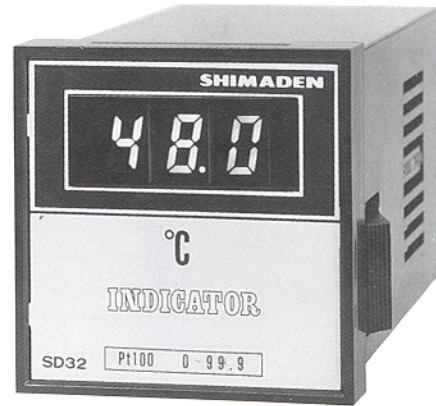
# DIGITAL INDICATOR

## SERIES SD32

- DIN Size 48 (H) × 48 (W) × 100 (D) mm
- Light Body Type (190g)

### SPECIFICATIONS

Indication:	Digital LED
Indicating Tolerance:	±1.5% FS + 1-digit (Thermocouple input) ±1.0% FS + 1-digit (R.T.D. input)
Input:	
Thermocouple:	J, K, L (DIN 43710)
Standard Setting	
Temperature Compensation Range:	5~45°C
Input Resistance:	200kΩ
External Resistance:	100Ω max.
R.T.D.:	Pt100
Amperage:	2mA
Lead Wire Tolerable Resistance:	2Ω max. / wire
Voltage:	0~10mv DC linear Input Impedance = 200kΩ min.
Current:	4~20mA DC linear Receiving Impedance = 250Ω Approx. 3VA
Power Consumption:	
Operating Ambient Temperature Range:	-10~+50°C
Operating Ambient Humidity:	90% RH max.
Power Supply:	See Ordering Information.
Insulation Resistance:	500V DC, 20MΩ min. between input and power supply terminals
Dielectric Strength:	1 min. at 500V AC between input and power supply terminals
Installation:	Flush in panel
External Dimensions:	48 (H) × 48 (W) × 100 (D) mm
Panel Cutout:	45 (H) × 45 (W) mm
Weight:	Approx. 190g



### ORDERING INFORMATION

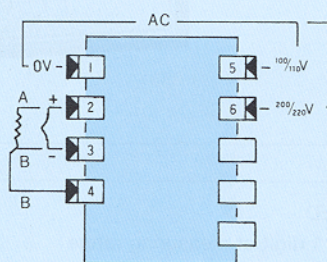
ITEMS	CODE	SPECIFICATIONS
SERIES	SD32-	Digital Indicator, 48 (H) × 48 (W) mm DIN
INPUT	1	Thermocouple, Input Resistance: 200kΩ
	2	R.T.D. (Pt100), Amperage: 2mA
	3	Voltage: 0~10mV DC Linear, input Impedance: 200kΩ min.
	4	Current: 4~20mA DC Linear, Receiving Impedance 250Ω
	9	Others (Please consult before ordering.)
POWER SUPPLY	11-	100~110V / 200~220V AC ±10%, 50 / 60Hz
	12-	110~120V / 220~240V AC ±10%, 50 / 60Hz
	99-	Others (Please consult before ordering.)
INPUT STANDARD	N	None
	J	JIS
	F	JIS (New Pt100-JIS)
	D	DIN
	A	ANSI
	X	Others (Please consult before ordering.)
TYPE OF INPUT	J	Thermocouple (J)
	K	Thermocouple (K)
	Q	Thermocouple (L) DIN-43710
	P	R.T.D. (Pt100)
	L	Linear — Voltage & Current Inputs
	X	Others (Please consult before ordering.)
MEASURING RANGE	□□□	See Measuring Range Codes.
LEGEND	N	No Legend
	C	°C Temperature
	F	°F Temperature
	X	Others (Please consult before ordering.)
REMARKS	0	Without
	9	With (Please consult before ordering.)

**MEASURING RANGE CODES**

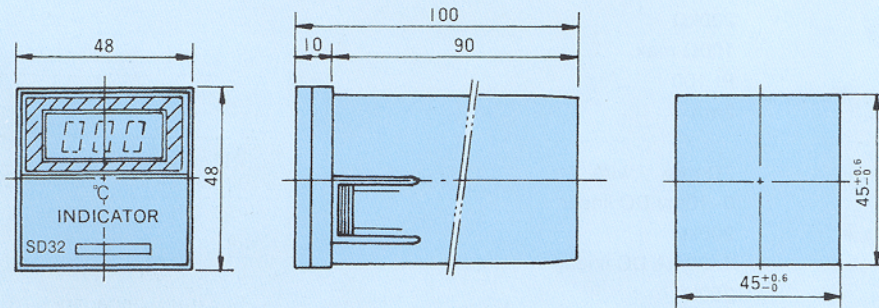
INPUT	RANGE	CODE	LEGEND	
R.T.D. (Pt100)	-99 ~ 99 °C	576	C	
	0 ~ 99.9°C	781	C	
	0 ~399 °C	792	C	
Thermo- couple	J	0 ~399 °C	792	C
	L	0 ~399 °C	792	C
	K	0 ~399 °C	792	C
		0 ~999 °C	874	C

INPUT	RANGE	CODE	LEGEND	
R.T.D. (Pt100)	0~399°F	792	F	
	0~799°F	871	F	
Thermo- couple	J	0~799°F	871	F
	K	0~999°F	874	F
Voltage / Current	0~ 99.9	781		
	0~499	795		
	0~999	874		

**TERMINAL ARRANGEMENT**

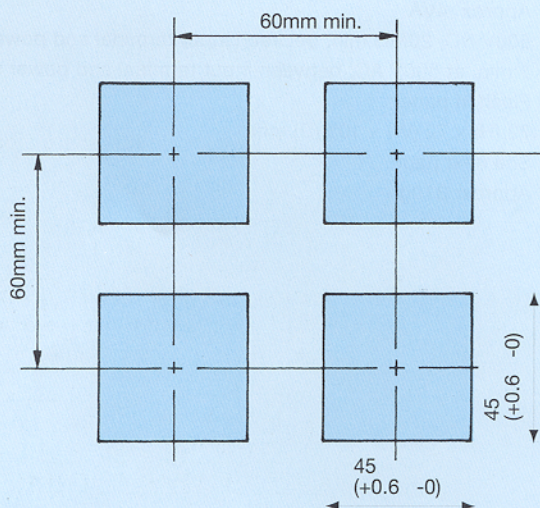


**EXTERNAL DIMENSIONS & PANEL CUTOUT**



Unit : mm

**CUTOUT FOR TWO OR MORE UNITS INSTALLED TOGETHER**



Unit : mm

# DIGITAL INDICATOR

## SERIES SD35

■ DIN Size 72 (H) × 72 (W) × 103 (D) mm



### SPECIFICATIONS

Display:	Digital LED
Indicating Tolerance:	±0.5% + 1 digit of measuring range
Indicating Range:	See Measuring Range Codes.
Indicating Resolution:	See Measuring Range Codes.
A / D Conversion:	Dual-slope integration
Input:	
Thermocouple:	J, K, R, S, L (DIN 43710)
Standard Setting Temperature	
Compensation Range:	5~45°C
Burnout Circuit:	Standard feature
Input Resistance:	200kΩ
External Resistance:	100Ω max.
R.T.D.:	Pt 100
Amperage:	2mA
Lead Wire Tolerable	
Resistance:	2Ω max. / wire.
Voltage:	0~10mv DC linear
Input Impedance:	200kΩ
Current:	4~20mA DC linear
Receiving Impedance:	250Ω
Operating Ambient	
Temperature Range:	-10~+50°C
Humidity:	90% RH max.
Power Supply:	See Ordering information.
Power Consumption:	Approx. 4VA
Insulation Resistance:	500V DC, 20MΩ min. between input terminal and power supply terminal
Dielectric Strength:	1 min. at 500V AC, between input terminal and power supply terminal
Installation:	Flush in panel
External Dimensions:	72 (H) × 72 (W) × 103 (D) mm
Panel Cutout:	See next page.
Weight:	Approx. 310g

**ORDERING INFORMATION**

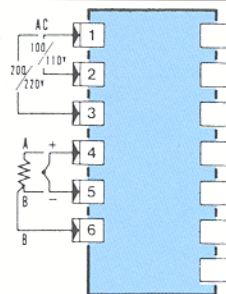
ITEMS		CODE	SPECIFICATIONS
SERIES	SD35-		Digital Indicator, 72 (H) × 72(W)mm DIN
INPUT	1		Thermocouple, Input Resistance: 200kΩ, External Resistance: 100Ω max.
	2		R.T.D. (Pt100) — Amperage 2mA DC, Lead Wire Tolerable Resistance: 2Ω max. / wire
	3		Voltage: 0~10mV — Input Impedance: 200kΩ
	4		Current: 4~20mA DC — Receiving Impedance: 250Ω
	9		Others (Please consult before ordering.)
POWER SUPPLY	11-		100~110V / 200~220V AC ±10%, 50 / 60Hz
	12-		110~120V / 220~240V AC ±10%, 50 / 60Hz
INPUT STANDARD	N		None
	J		JIS
	F		JIS (New Pt100-JIS)
	A		ANSI
	D		DIN
TYPE OF INPUT	J		Thermocouple (J)
	K		Thermocouple (K)
	R		Thermocouple (R)
	S		Thermocouple (S)
	Q		Thermocouple (L) DIN-43710
	P		R.T.D. (Pt100)
	L		Linear — Voltage & Current Inputs
	X		Others (Please consult before ordering.)
MEASURING RANGE		□□□□	See Measuring Range Codes.
LEGEND	C		°C Temperature
	F		°F Temperature
	H		% RH Relative Humidity
	X		Others (Please consult before ordering.)
REMARKS	0		Without
	9		With (Please consult before ordering.)

**MEASURING RANGE CODES**

INPUT	RANGE	CODE	DIGIT	LEGEND
Thermocouple	J 0 ~ 399 °C	792	3	C
	L 0 ~ 399 °C	792	3	C
	K 0 ~ 399 °C	792	3	C
	K 0 ~ 999 °C	874	3	C
	R 0 ~ 1199 °C	877	3.5	C
	S * 0 ~ 1699 °C	885	3.5	C
R.T.D. (Pt100)	-99.9 ~ 99.9°C	579	3.5	C
	0 ~ 99.9°C	781	3	C
	0 ~ 399 °C	792	3	C
Voltage / Current	0 ~ 99.9%RH	781	3	H
	0 ~ 499	795	3	
	0 ~ 999	874	3	

INPUT	RANGE	CODE	DIGIT	LEGEND
R.T.D. (Pt100)	0~ 399°F	792	3	F
	0~ 799°F	871	3	F
Thermo-couple	J 0~ 499°F	795	3	F
	K 0~ 799°F	871	3	F
	R 0~ 999°F	874	3	F
	S 0~ 1199°F	877	3.5	F
	L 0~ 1999°F	887	3.5	F

**TERMINAL ARRANGEMENT**



\* Indicating Tolerance: ±0.7% + 1-digit of measuring range  
Effective range: 600°C min.

**EXTERNAL DIMENSIONS & PANEL CUTOUT**

