

IDC Signal Digimatic Indicator with Absolute Encoder



A special version of the IDC Type Digimatic Indicator able to output directly to a Programmable Logic Controller (PLC).

Features

- Direct output for a PLC. Voltage power supply is DC 12-24V.
- Absolute Encoder Technology.
- PRE-SET-Recall (ABS) and Hold-Reset via input signal.
- GO/±NG tolerance judgement is indicated by LCD & red/green LED and is output to the PLC.
- Sampling frequency is 50 times/sec.
- Origin setting retained until re-set (even after power off).
- IP-54 dust and water resistant.
- Conforms to EC directives and the following standards:
Electromagnetic Compatability (EMC) Directive (89/336/EEC)
EN55011:1992 Group 1 Class A EMC emission
EN50082-2:1995 Industrial environment EMC immunity

Specifications

IDC Signal Digimatic Indicator with Absolute Encoder

Order No.	543-282	543-283
Range	0-5" 0-12.7mm	
LCD Resolution	.00005" 0.001mm	.0001" 0.001mm
Accuracy (20°C)	±.00012"/3µm	
Quantizing error	±1count	
Measuring Force	2N or less	
Steam Diameter	3/8" DIA	
Contact Point	.16" (Dia.) Steel Ball 900032	
Power Supply	DC 12-24V ±10% (from connecting cable)	
Current Consumption	30mA or less	
Output	NPN O/C (Output current: 30mA or less, Output voltage: 24V or less)	
Input	No-voltage input (Input current: less than 10mA)	
Functions	ZERO/ABS, PRESET/SET, TOL, MODE, +/- (Switching the counting direction)	

Note: The IDC Signal Type Digimatic Indicators do not provide standard digimatic output for SPC.

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Mitutoyo America Corporation

Regional Offices

Michigan Phone: (734) 459-2810
Illinois Phone: (630) 978-5385
California Phone: (626) 961-9661

M³ Solution Center

Massachusetts Phone: (978) 692-8765
Indiana Phone: (317) 577-6070
North Carolina Phone: (704) 875-8332