

PRODUCT INNOVATIONS

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 Compatibility (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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