Topaz Digital & SA100 Digital Readout

Digital readouts systems for use with linear encoders with a TTL RS422 output.

These ranges of Newall's digital readouts are for use with linear and rotary (SA100 only) encoders which have a TTL RS422 output. A range of Newall Encoders are available (DSG-TT, DMG-TT, SHG-TT, MHG-TT and MAG-TT)

which offer this output with the same accuracy and precision you would expect for the Newall range.

Ideal for the retrofit market, these readouts can also be used with other manufactures linear and rotary encoders which have TTL RS422 output.

Topaz Digital Readout

The topaz digital has been designed for users requiring 2 or 3 axes. The topaz digital has a clear, easy to read LED digital display and offers a host of features.

Features

- Absolute / Incremental operation
- Inch / Metric conversion
- Zero reset / data preset
- Data recall
- Data hold
- Radius / diameter readings
- Centre find
- Home reference
- Linear error compensation
- Memory backup
- 99 tool offsets (lathe Version only)
- Bolt hole circle (mill Version only)
- Resolution selection for each axis
  0.1μm, 0.2μm, 0.5μm, 1μm, 2μm,
  5μm & 10μm
  (0.000005", 0.00001", 0.00002",
  0.00005", 0.0001", 0.0002" & 0.0005")
- Sleep mode
- Digifind

Specification

- Keypad: Membrane
- Chassis: Die Cast
- Encoder Input:
  TTL RS422
  signal required
- Dimensions:
  5.6" x 9.6" x 3.2"
  (140 x 240 x 80mm)
- Weight: 5.5 lbs.
  (2.5Kg) Display
- Voltage: 115-230V
- CE Approved

SA100 & SA100-R Digital Readout

The SA100 is a single axis DRO which can be used for a wide variety of applications. It is available in linear (SA100) and rotary (SA100-R) versions and can be supplied as a stand alone unit or with panel mounting kit.

Features

- Absolute / Incremental operation
- Inch / Metric conversion
- Zero reset
- Data recall
- Data hold
- Radius / diameter readings
- Home reference
- Linear error compensation
- Scale factoring
- Resolution selection for each axis
  0.1μm, 0.2μm, 0.5μm, 1μm, 2μm,
  5μm, 10μm, 20μm, 50μm, 100μm,
  200μm, 500μm, 1000μm.
  (0.000005", 0.00001", 0.00002",
  0.00005", 0.0001", 0.0002", 0.0005",
  0.001", 0.002", 0.005", 0.01", 0.02",
  0.05")
- Compact DIN size (144 x 72mm)
- Panel mount kit option

Specification

- Keypad: Membrane
- Chassis: Die Cast
- Encoder Input:
  TTL RS422 Linear
  Encoder (SA100)
  TTL RS422 Rotary
  Encoder (SA100-R)
- Dimensions:
  2.8" x 5.6" x 2.8"
  (71 x 142 x 71mm)
- Weight: 1.1 lbs.
  (0.5Kg)
- Voltage: 115-230V
- CE Approved

NEWALL

CST