DM-SENSORS

SI3500

Features

◗ 2 orbit digital sensor inputs
◗ Simple Menu System
◗ 1 or 2 channel display *(user selectable)*
◗ 7 Digit Colour Display *(user selectable)*
◗ Analogue display with auto course/fine resolution
◗ Auto display colour change for in/out range
◗ Peak hold facility
◗ Data logging facility with up to 10,000 readings
◗ Discrete I/0
◗ 4-20ma or DC voltage output
◗ RS232 output
◗ Front panel IP65 protection

Description

The New SI3500 Orbit Controller is an instrument specifically designed to operate with Solartron's transducers operating on the 'Orbit' network, this plug and play instrument features an intuitive, menu-driven colour display which can be programmed to set limits and to record other parameters intuitively.

Powered from a 24 Vdc source, the SI3500 can be used to display one or two transducer readings, computed results from two transducers such as A, B, A+B, A-B, (A+B)/2, (A-B)/2, and computations with constants, for example angle measurements.

Full set up is made via the IP65 protected front keypad that can, if required, be password protected. The SI3500 also features discrete inputs/ outputs and a selection of analogue outputs in the form of 4-20mA or DC voltage.

Technical Specification

Product type	SI3500 - Orbit Digital
Display type	Colour LCD display 40Hz update rate with 30º Viewing Angle
Display length (mm) Display length (inches)	XX.XXXXX X.XXXXXX
Resolution (µm)	Down to 0.05 µm or 0.000005"
Analogue Display	Solid bar vertical or two horizontal bars (2axis)
Inputs	
Signal Input	Orbit (2 inputs)
Number or Orbit modules supported	Two directly plugged into the SI3500
Keypad	Membrane keypad with 9 keys: Print, Zero, Up, Down, Left, Right, Enter, peak/track, menu.
External input/output	
Serial	RS232 serial port (for printer or PC).
Discrete Output	six isolated discrete outputs (Channel A, Lo, OK, HI), (Channel B, Lo, OK, HI)
Analogue Output	2 Channels either configured 4-20mA or DC Voltage
Measurement configurations	
Data Logging	Store 10,000 readings by: external switch contact or preset time interval 1ms - 24 hours, displays Mean and Standard Deveation
Number of probes	Individual probe, Probe pair
Measurement type	A, B, A+B, A-B, (A+B)/2, (A-B)/2, (B-A/a), X and Y
Indications	Measurement Mode, Type of measurement, Lower and Upper Limited, DP Out of Range, measurement out of Limits
Electrical	
Power supply (VDC)	+24 VDC ± 10%
Mechanical and Enviromental	
Mounting	Bench Top or Panel options
Sealing	Front Panel IP65, Case IP51, Rear Connectors IP51
Mass	1.1kg
Temperature	Operating temperature from 0°C to +50ºC storage between -20 C to +85ºC
EMC	Immunity:EN6100-6-2:2001, Emissions: EN61000-6-3:2001
Dimensions	W x H x D(mm): 134 x 65 x 160 excluding bezel W x H x D(mm): 144 x 74 x 175 including bezel

Part Number	
Base Unit	911359

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