

PROTON
PRODUCTS

LED AND AiG DISPLAY AND INTERFACE UNITS

SiDi-AiG-1 LED RS232 indicator unit
for use with Proton Products
DG, SL and CG gauges.



INTRODUCTION

Proton Products SiDi-AiG1 indicator unit connects via RS232 to Proton Products diameter gauges, length gauges and capacitance gauges for displaying basic measurement data. The unit is ideal for basic system configurations. For more complex and comprehensive control solutions, Proton provides the NEXIS™ CS2G(XY) and CS3G.



VERSATILE DISPLAY FOR DIAMETER, SPEED, LENGTH AND CAPACITANCE

When connected to single-plane DG diameter gauges, the SiDi-AiG1 displays average diameter, preset diameter or tolerance setting.

When connected to dual-plane DG diameter gauges, the SiDi-AiG1 displays average diameter, X-diameter, Y-diameter, preset diameter or tolerance setting.

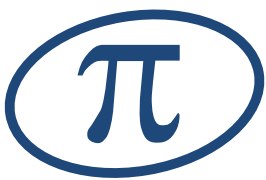
When connected to an SL Series speed and length gauge, the SiDi-AiG1 displays measured length, measured speed, or the preset length preset value.

When connected to a CG Series capacitance gauge, the SiDi-AiG1 displays measured capacitance, capacitance error, preset capacitance value, or tolerance setting.

The SiDi-AiG1 automatically detects the units of measurement (metric or imperial) being used by the Proton Products measurement gauge.

SPECIFICATIONS

Dimensions:	160 x 80 x 141 mm
LED display:	5 LED digits
Units:	Auto detects if gauge is using metric or Imperial
Display resolution:	Up to 3 decimal places (metric). Up to 4 decimal places (Imperial)
Communication:	DB9 RS232 connector (9600 baud, Proton RS232 protocol)
Power input:	85 to 264 VAC rms, 0.1A rms max.
Relay output:	1x volt-free, 0 - 50 Vdc, 500 mA: Tolerance exceeded.
Alarm:	Tolerance exceeded
Degree of protection:	IP50



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VFD INTERFACE AND DISPLAY UNIT

SiDi-AiG-2 interface and display unit for Proton Products DG and SL gauges.



INTRODUCTION

Proton Products SiDi-AiG2 indicator unit connects via CANbus to Proton Products length gauges, diameter gauges and capacitance gauges, connected via CANbus, and either mounted directly on the SL or DG gauges, the CG signal control box, or connected remotely. The rugged aluminium case and bright display make the unit ideal for tough industrial environments, and provides at-a-glance information on measurements, gauge measurement signal quality, measurement mode, relay status and gauge status.



COMPACT DISPLAY AND INTERFACE UNIT FOR DIAMETER, SPEED, LENGTH AND CAPACITANCE GAUGES

The SiDi-AiG2 can be connected remotely or mounted directly on a Proton SL MKII speed and length gauge to control all parameters and display measurements, 'good reading' level, and relay and gauge status.

The SiDi-AiG2 can be connected remotely or mounted directly on a Proton DG Series diameter gauge to control all parameters and display measurements, and relay and gauge status.

The SiDi-AiG2 can be connected remotely or mounted directly on the signal control box of a Proton CG Series diameter gauge to control all parameters and display measurements, and gauge status.

SPECIFICATIONS

Dimensions:	148 x 105 x 46 mm
Display:	Vacuum fluorescent (bright blue-green on a dark background)
Screen resolution:	128 by 64 pixels (pixel size is approximately 0.5mm)
Communication:	CANbus
Function buttons:	Home, Menu, Enter, Page, navigational arrows
Degree of protection:	IP50

CONTACT INFORMATION

Information and quotations can be supplied and demonstrations with PROTON measurement and control systems can be performed at your plant on your machinery by your local agent or distributor. For agents and distributor contact details, please visit www.protonproducts.com

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