Data sheet
L-9517-9834-01-D

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Advanced Diagnostic Tool ADTa-100

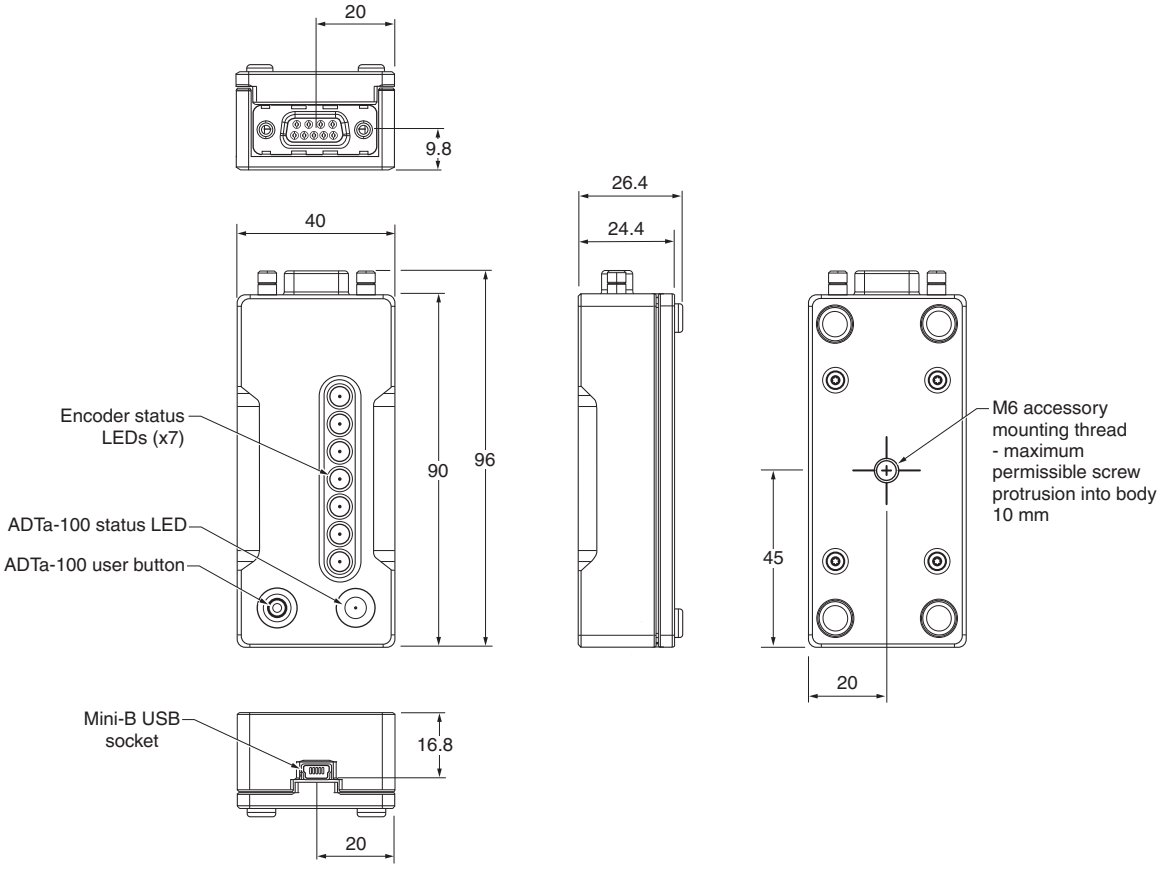
The ADTa-100 (A-6525-0100) is a set-up tool and diagnostic accessory specifically designed to be used with Renishaw absolute encoder products. It also allows for writing a new zero position.*

It can be used in a stand-alone mode or in conjunction with a PC‡ running the ADT View software.

*Write zero command is available only for BiSS C, Yaskawa and Panasonic protocols.

‡Supported Windows® operating systems (x86 or x64): 7 SP1, 8.1, 10.

Function	Signal		Encoder input pins
Power	5 V		4, 5
	0 V		8, 9
Serial communications	REQ/SD	+	2
		–	3
Shield (case)	Outer		Cable screen
Not connected	-		1, 6, 7



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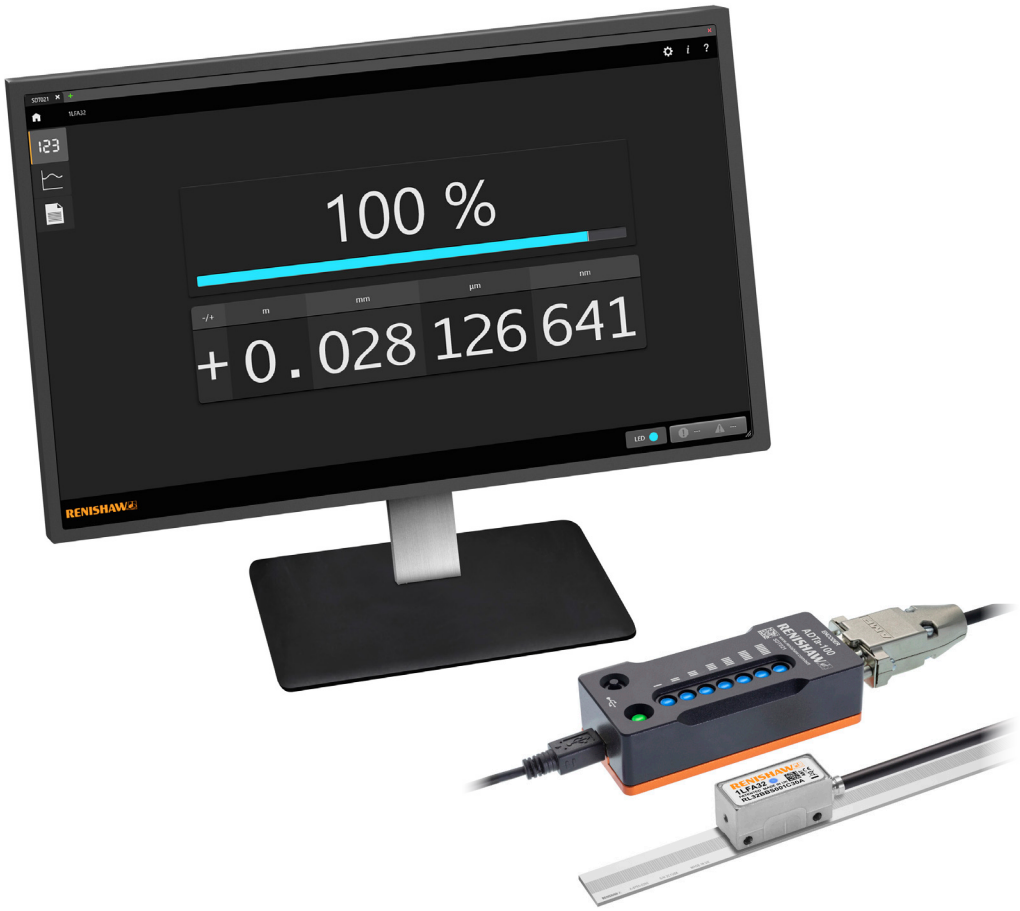
General specifications

Power supply	5V ±10%	Typically < 340 mA (ADTa-100 and readhead)
		Power from a 5 Vdc supply complying with the requirements for SELV of standard IEC 60950-1 or via PC's USB port
	Typical power consumption	< 1.25 W
	Ripple	200 mVpp maximum @ frequency up to 500 kHz
Temperature	Storage	–20 °C to +70 °C
	Operating	0 °C to +55 °C
Humidity		95% relative humidity (non-condensing) to IEC 60068-2-78
Sealing		IP20
Shock	Operating	500 m/s², 11 ms, ½ sine, 3 axes
Vibration	Operating	40 m/s² max @ 55 Hz to 2000 Hz
Mass		155 g
EMC compliance		IEC 61326-1

For available adapter cables with alternative readhead terminations contact your local Renishaw representative.
Using the recommended USB cable (A-9572-0098) the ADTa-100 can be connected direct to a PC.



For worldwide contact details, visit www.renishaw.com/contact

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