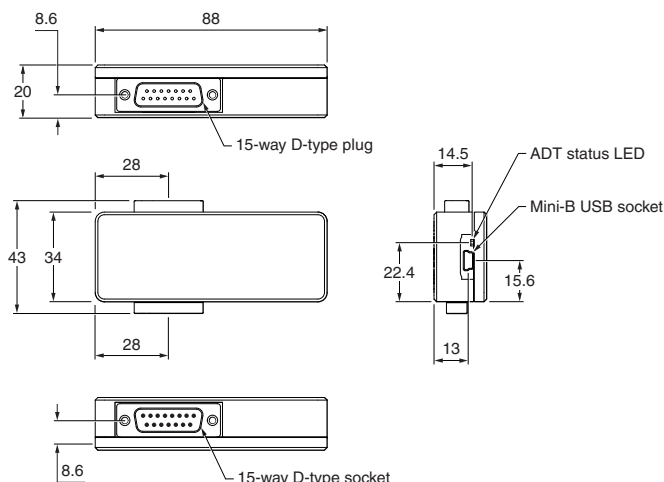


Advanced Diagnostic Tool ADTi-100



The ADTi-100 (A-6195-0100) is used in conjunction with a PC* running the ADT View software†.

It provides comprehensive real-time feedback from QUANTiC™, VIONiC™ and ATOM DX™ encoders, aiding installation and diagnostics, as well as allowing system optimisation.

Function	Signal	Encoder input/output 15-way D-type	
Power	5 V	7, 8	
	0 V	2, 9	
Incremental	A	+	14
		-	6
	B	+	13
		-	5
Reference mark	Z	+	12
		-	4
Limits‡	P	11	
	Q	10	
Alarm	E	-	3
Remote CAL‡	CAL		1
Shield	-		Case

‡ On input connector only.

‡ Limits not available with ATOM DX.

General specifications

Power supply	5V -5%/+10%	Typically 200 mA fully terminated (ADTi-100 and readhead)
		Power from a 5 V dc supply complying with the requirements for SELV of standard IEC 60950-1 or via PC's USB port
	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/s ² , 11 ms, ½ sine, 3 axes
Vibration	Operating	40 m/s ² max @ 55 Hz to 2000 Hz
Mass		110 g
EMC compliance		IEC 61326-1: 2013

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

† Free ADT View software download is available directly from www.renishaw.com/adt.

ADT and accessory part numbers

Part description	Part number	Product image
ADTi-100	A-6195-0100	
USB cable (ADTi-100 to PC)	A-9572-0098	
ADT View software	Free to download from www.renishaw.com/adt	

Adaptor cables

Adaptor cables enable readheads with different terminations to be connected to the 15-way D-type input of the ADTi-100. Consists of two cables. One from readhead cable to ADTi-100. The other, if required, from the ADTi-100 to the controller cable.

Digital readheads

Readhead cable termination*	Pin-out	Part number
D	15-way D-type (standard pin-out)	None required. Readhead plugs directly into ADTi-100.
A	9-way D-type	A-6195-0102
K	10-way JST	A-6195-2074
H	15-way D-type (alternative pin-out)	A-6195-0103
X	12-way circular	A-6195-0104
J	14-way JST	A-6195-2073

Analogue readheads

NOTE: The ADT will require 120 Ω termination. This must be provided by, either the controller, or the termination tool. Refer to *Advanced Diagnostic Tools and ADT View software User guide* (Renishaw part no. M-6195-9413) for more information.

Readhead cable termination*	Pin-out	Part number
L	15-way D-type (standard pin-out)	A-6637-1540
H	15-way D-type (alternative pin-out)	A-6195-0103
J	14-way JST	A-6195-2073

Part description	Product image	Part number
Termination tool (For use with analogue variant of QUANTiC)		A-6195-2132

* Determined from readhead nomenclature. Refer to relevant readhead series data sheet for full readhead nomenclatures.

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

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