Data Management

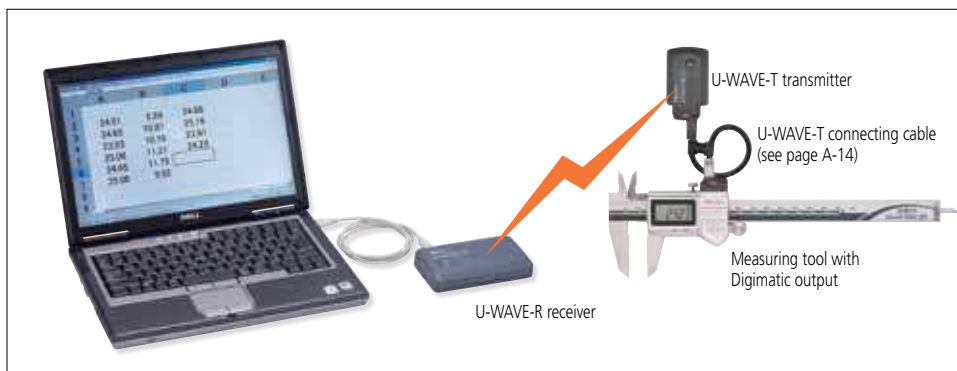## SERIES 02AZD – U-WAVE Wireless Communication System

A

- This wireless communication system transfers data directly from a Digimatic measuring instrument to a PC, thus avoiding the need for long cable runs.
- 20 metre communication distance (line of sight).
- Allows easy data export straight to Microsoft® Excel® or other applications, using the bundled data interface software.
- Data transfer is confirmed by the transmitter through a buzzer or LED.
- An IP67-rated transmitter is available.
- Up to 400,000 data transmissions with a single battery.
- By using special software the system will also support a data request from a PC (Event Drive mode). This is ideal if there is no one operating the measuring tool, or if it is installed in an inaccessible site.

U-WAVE-R

U-WAVE-T

U-WAVE-T transmitter

U-WAVE-T connecting cable
(see page A-14)

Measuring tool with
Digimatic output

U-WAVE-R receiver

Technical Data

Wireless communication
protocol: IEEE 802.15.4
Modulation method: DS-SS (Direct Sequence Spread Spectrum)

Communication
  Distance: Approx. 20 m line of sight
  Speed: 250 kbps
  Frequency   2.4 GHz (ISM: universal frequency band)

User band: 15 channels (2.405 to 2.475 GHz at intervals of 5 MHz)

OS compatibility: Windows® 2000 Professional (≥SP4), Windows® XP Professional (≥SP2), Windows® XP Home Edition (≥SP2), Windows Vista®, Windows® 7 (32 bit, 64 bit)

Standard Accessory for U-WAVE-T

Supplied with a U-WAVE cable (required type needs to be specified at time of purchase).

Optional Accessories

937179T: Footswitch
              £45.30
02AZE200: Holder for U-WAVE T. Contents: support plate, fixing pads, screws
              £17.90

Consumable Spare

05SAA217: Lithium battery CR-2032
              £2.90

SPECIFICATIONS for U-WAVE-R Receiver

Code No.	02AZD810D
Items included	U-WAVE-R + software
Software	U-WAVE PAK
Number of U-WAVE-R units that can be connected to a PC	Up to 16
Number of U-WAVE-T units that can be connected	Up to 100
USB cable length	1 m
Power supply	USB bus power system
Dimensions (W x D x H)	140 x 80 x 31.6 mm
Mass	130 g
Price	**£278.00**

SPECIFICATIONS for U-WAVE-T Transmitter

Code No.	02AZD730D	02AZD880D
Data reception indication	LED	LED and buzzer
Remarks	IP67 model	Standard model
Power supply	Battery CR2032	
Battery life	400,000 transmissions	
Dimensions (W x D x H)	44 x 29.6 x 18.5 mm	
Mass	23 g	
U-WAVE cable included*	✓	✓
Price	**£162.00**	**£162.00**

* Required cable type needs to be specified at time of purchase.