

2020

Hand Held Wide Range Calibrator

- Voltage, Current & **Thermocouple Simulation***
- 6 Voltage Ranges to 40V
- 6 current Ranges to 40mA
- Current Source / Load
- 100uV / 100nA Resolution
- Adjustable Set Point
- 0.05% Accuracy
- Battery or Mains Adaptor Powered



The 2020 sets new standards in both range and accuracy from a hand held calibrators combining the advantages of digital accuracy with the precision and ease of use of analogue controls.

The large high accuracy 4200 count display allows precise setting of output voltages from 100uV to 40V in 6 ranges and current from 100nA to 40mA in 6 ranges. An indicator is provided to warn the user of incorrect connection or overload conditions.

For 4 to 20mA transducer applications the 2020 is ideal offering zero to 22mA in one range and can act as either a current source (for calibrating indicators) or a current load (simulating a transducer). An adjustable set point can be used for either a 4mA zero or another frequently used value.

For thermocouple simulation a high accuracy external adaptor* is available allowing simulation of types J & K up to 750°C with 0.1°C resolution, with automatic cold junction compensation.

Temperature mode selection is indicated automatically by an LED when the adaptor is connected.

Built in a rugged ABS case and powered by two 9V batteries or a mains adaptor allows the 2020 to be used anywhere a precision voltage or current is needed.

Calibration Certificates traceable to UK National Standards or UKAS are available.

Specifications

Voltage Ranges	200mV • 400mV • 2V • 4V • 20V • 40V	
Accuracy	0.05% ± 2 Digits	
Resolution	100uV @ 200mV/400mV Ranges • 1mV @ 2V/4V Ranges • 10mV @ 20V/40V Ranges	
Output Current	2mA @ 20V/40V Ranges • 20mA All Other Ranges	
Current Ranges	200uA • 400uA • 2mA • 4mA • 20mA • 40mA	
Accuracy	0.05% ± 2 Digits	
Resolution	100nA @ 200uA/400uA Ranges • 1mA @ 2mA/4mA Ranges • 10mA @ 20mA/40mA Ranges	
Drive Voltage	15V	
Temperature*	Type J & K -50°C to 750°C	
Accuracy	0.3°C ± 2 Digits	
Resolution	0.1°C	
CJC	Automatic	
Dimensions	142 x 80 x 45mm • Weight 350g (Including 2x PP3 9 Volt Batteries)	

Order Information	Model 2020 Portable Voltage & Current Calibrator	2020
	Mains Adaptor	2020MA
	Optional Thermocouple Adaptor*	2020Therm
	UKAS Certificate	2020UKAS

Visit our website for the full range of Transmille Products

www.transmille.com

Tel: +44 (0) 1622 873334

Fax: +44 (0) 1622 871488

Email: sales@transmille.com

Website: www.transmille.com

TRANSMILLE Ltd. Unit 13 Woodfalls Ind Est, Laddingford, Kent. ME18 6DA. United Kingdom.

