Temperature Controllers, Sensors and Transducers — continued

Digital Temperature Sensors — SMARTEC

Supplied to Farnell by LJK Technology the Smartec sensor represents a significant development in transducer technology. Having a single wire digital output and being fully calibrated during manufacture means it can be directly connected to processor circuitry without A/D conversion circuitry.

Features:-

- Range of package styles
- Operating temperature -45°C to +130°C
- TTL/CMOS compatible
- Absolute accuracy ±0.7°C
- Linear output within 0.2°C
- 200µA supply current

The sensor is a three terminal device with integrated sensor circuitry. A duty cycle modulated square wave is available from one terminal, the other two being power input and ground. At the heart of the product is a bipolar temperature sensor with precision circuitry calibrated during manufacture.

SEM341

Package	Mftr.List No.	Order Code	Price Each 1+	10+	100+	250+
3/TO-18	SMT160-30-18	**640-438**				
3/TO-92	SMT160-30-92	**640-440**				
3/TO-220	SMT160-30-220	**640-451**				
8/SOIC	SMT160-30-308LSMD	SMD **640-463**				

DS1620K Digital Thermometer and Thermostat Demonstration Kit

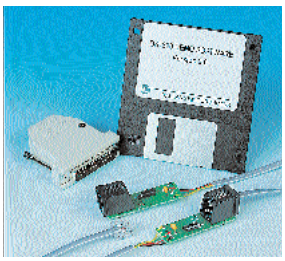
The DS1620K demonstration kit allows for observation of the DS1620 device in an actual temperature measurement application. The measured information is displayed in a text box and on a graphical thermometer. Thermostat trip-points may be set by the user with each thermostat output status displayed graphically on the screen. Temperature may be displayed in Celsius or Fahrenheit.

The DS1620K consists of the DS1620 device on a PCB, supplied with cable and connector for a PC parallel port connection, through which power is drawn for the kit to operate. The software provided runs under Windows 3.1 and DOS.

SEM435

DS1620K Demonstration Kit .....Order Code .787-980 — **each**

DS1820K Digital Thermometer Demonstration Kit



The DS1820K is a 1-Wire® demonstration kit which allows for observation of the DS1820 device in an actual multipoint temperature measurement application.

The kit consists of a connector for PC parallel port, two cables with PCBs which carry the DS1820s. The cables may be connected in parallel and are driven from on-line power. Each DS1820 contains a unique 64-bit serial number identifiable by software, allowing the user to assign name/code to correspond to each device.

Each connected device to the PC can be seen on simulation window along with the current measured temperature. Each device may also have their Hi and Lo thermostatic limits displayed and generate alarm icons on screen if out of limits.

SEM515

DS1820K Demonstration Kit .....Order Code .670-698† — **each**

† Available until stocks are exhausted

Timers

SEM132

	Mftr.	Pins	Description	Mftrs. List No.	Order Code	Price Each 1+	10+	100+	250+	500+
555	PS	8	CMOS Low Power Timer	ICM7555CN	.**409-250**					
555	INTS	8	CMOS Low Power Timer	ICM7555IBA	SMD.**409-261**					
555	INTS	8	CMOS Low Power Timer	ICM7555IPA	.**409-273**					
555	FCH	8	Single Timer	KA555	**347-6996**					
555	FCH	8	Single Timer	KA555D	SMD**347-7009**					
555	FCH	8	Single Timer (IND TEMP)	KA555I	**347-7010**					
555	FCH	16	Quad Timer	KA558B	**347-7022**					
555	NSC	8	Single Timer	LM555CM	SMD**409-327**					
555	NSC	8	Single Timer	LM555CN	**409-339**					
555	NSC	8	CMOS Low Power Timer	LMC555CM	SMD**705-068**					
555	NSC	8	CMOS Single Timer	LMC555CN	**409-340**					
555	PS	8	Single Timer	NE555D	SMD**409-352**					
555	PS	8	Single Timer	NE555N	**409-364**					
555	ST	8	Single Timer	NE555N	**409-376†**					
555	PS	8	Single Timer	SE555N	**409-390**					
555	TI	8	CMOS Low Power Timer	TLC555CD	SMD**595-056**					
555	TI	8	CMOS Low Power Timer	TLC555CP	.**409-406**					
555	ST	8	CMOS Low Power Timer	TS555CN	**409-418**					
555	ST	8	CMOS Low Power Single Timer (3V)	TS3V555IN	**596-942**					
556	INTS	14	CMOS Low Power Dual Timer	ICM7556IPD	.**409-420**					
556	NSC	14	Dual Timer	LM556CM	SMD**409-431**					
556	NSC	14	Dual Timer	LM556CN	**409-443**					
556	PS	14	Dual Timer	NE556D	SMD**562-518†**					
556	ST	14	Dual Timer	NE556N	**409-467**					
556	TI	14	CMOS Low Power Dual Timer	TLC556CD	SMD**595-068**					
556	TI	14	CMOS Low Power Dual Timer	TLC556CN	.**409-479**					
556	ST	14	CMOS Low Power Dual Timer	TS556CN	**409-480**					
556	ST	14	CMOS Low Power Dual Timer (3V)	TS3V556IN	**596-954**					
558	PS	16	Quad Timer (Output Sink Current)	NE558N	**409-492**					
1034	PLES	14	Precision Timer IC	ZN1034E	.**409-509**					
1455	ON	8	Timer for accurate delays or oscillation with intervals from microseconds to hours	M1455P1	**101-230**					
1555	ZET	8	Single Timer. Operates down to 0.9V supply	ZSCT1555D8	**698-155**					
1555	ZET	8	Single Timer. Operates down to 0.9V supply	ZSCT1555N8	SMD**698-167**					
1557	MICR	5/SOT-23	CMOS Timer/Oscillator	MIC1557BM5	SMD**790-278**					

† Available until stocks are exhausted

Continued

680 Semiconductors and Passives Prices are in Singapore Dollars and exclusive of GST