



274 Church Street
Onehunga

System Control Engineering NZ Ltd

THE GAS BIZZZ BULLETIN

October 2009

HLP RED - i - TEMP

Water Proof Digital Thermometer



- Strong 125mm stainless steel food grade probe.
- Safety end cover.
- Probe magnetically mounts to main unit.
- Large display - On/Off
Data hold
Max/Min
Alarms and more
- Long reach 1 meter of cable from probe main unit.
- Battery life approx 5000 hours (depending on alarm usage)
- Key pad tones to confirm key pressed.
- Flip out stand.

'Safety' RED ... easy to find!



Waterproof

Specifically recommended for checking safe food temperatures in NZ & Australia

- Displaying & storage of chilled product = $\leq 5^{\circ}\text{C}$
- Displaying & storage of hot food $> 60^{\circ}\text{C}$
- Displaying & storage of frozen food = $\leq -18^{\circ}\text{C}$ or "hard frozen"
- Safe cooling of hot food: From 60°C to 21°C (or less) in two hours, then, from 21°C to $< 5^{\circ}\text{C}$ in a further four hours

Temp Range: - 50°C - 200°C



System Control Engineering NZ Ltd would like to introduce:



Trevor Maidment

Trevor has joined our company & will be looking after our internal customers on the telephone and in the showroom.

Phone: 09 636 1401 Fax: 09 636 1525

Email: sales@systemcontrol.co.nz

www.systemcontrol.co.nz



Dave's Technical Tip

Combustion Queries

1. What is the lower explosive limit of Natural Gas (per cent gas in air)?
2. What are the normal products of combustion of Natural Gas?
3. What is an abnormal product of combustion of Natural Gas?
4. Are Natural Gas, LPG and Petrol related in any way?
5. Is LPG more dense or less dense than Natural Gas?
6. What is the calorific value of LPG?
7. What is the calorific value of Natural Gas?
8. What conditions produce carbon monoxide?
9. How many mega-Joules in a kilo-watt?
10. If an appliance is 80% efficient and is rated at 80 kwh output, what mega-Joule input is required.



Riello RLS Series Two Stage Dual Fuel Burners

- 100—1395 kW

Now available at SCE NZ Ltd

Answers

1. 5%
2. Carbon dioxide and water vapor.
3. Carbon monoxide
4. Yes, all are hydrocarbons.
5. LPG is more dense than Natural Gas.
6. 90 MJ/m³
7. 40 MJ/m³
8. Restricted fueling and/or poor ventilation.
9. 3.6 MJ/KW
10. 360 MJ/h

COMING SOON...

LPG Gas Detector Alarms



- Suitable for Caravans, Boats, Campervans for 12VDC operation.
- 85dB(A) acoustic alarm
- Relay output if required
- **Green** 'on' LED
- **Yellow** 'Fault' LED
- **Red** 'alarm' LED

SMRVS100401

Don't forget we sell Gas Leak Detector Spray



Now only \$8.00+GST+Freight

Quote of the Month

"Things turn out best for those who make the best of the way things turn out".

Jack Buck

BACHARACH
Leak Detectors
Flue Gas Analysers

BRAHMA
Pilot Burners
Burner Controls
Ignition Transformers
Gas Solenoid Valves

BROMIC
Appliance Regulators

CAMPINI
Thermostats

CATOBA
Pilots
Controls
Gas Valves

DIGITRON
Digital Manometers

DORMONT
Flexible S.S. Connectors
Quick Disconnect Couplings

DUNPHY
Gas, Oil & Dual Fuel Burners

ECOFLAM
Package Burners

GECA
CO Detectors
Gas Detectors

FLAMEFAST
Hot Metal & Heat
Treatment Equipment

ITAP
Gas Ball Valves

JEAUVONS
OPSO Regulators
Appliance Regulators

KROMSCHRODER
Gas Filters
Gas Meters
Pilot Burners
Pressure Switches
Gas Solenoid Valves

MADAS
Gas Filters
Regulators

NAMCO
Combustion Equipment

OARA
LP Gas Regulators

PH PRODUCTS
Smoke Pallets

POLIDORO
Blade Burners
Atmospheric Burners

REGO
LP Gas Regulators

RIELLO
Package Burners

ROBERTSHAW
Pilot Burners
Thermocouples
Gas Control Valves

SATRONIC
Burner Controls

SCE
Test Points
Petes Plugs
Test Nipples
U-Tube Manometers

SEITRON
Gas Detectors

SHERWOOD
Auto Changeover Regulators

SIT
FFD's,
Flame Rods
Gas Controls
Ignition Electrodes

WHITE-RODGERS
Gas Control Valves