

N3000 Series *Diligence Evg* GRAPHIC DISPLAY MONITORS

Diligence EVG is the latest concept in logging from Comark - a range of data monitors with large graphical displays.

These new instruments combine data logging with the convenience of a large LCD to provide continuous monitoring plus instant data display whenever required.

Data can be stored on a PC, printed out in graphical, tabular or summary form or viewed on the display. Comark Diligence EVG monitors are thus natural replacements for outdated chart recorders and other printer/recorders. Neat, compact and with stand and wall fixings, a Diligence EVG monitor can be located on a desk, or wherever needed, close by the operator.

Applications include the monitoring of industrial and food processes, stages of production and scientific experiments.

Comark Diligence EVG monitors use the proven Comark Evolution software package, shared with all existing Diligence EV loggers and Evolution logging handheld thermometers. This enables Diligence EVG monitors to be purchased for new monitoring systems or added to existing Evolution driven systems for maximum versatility.

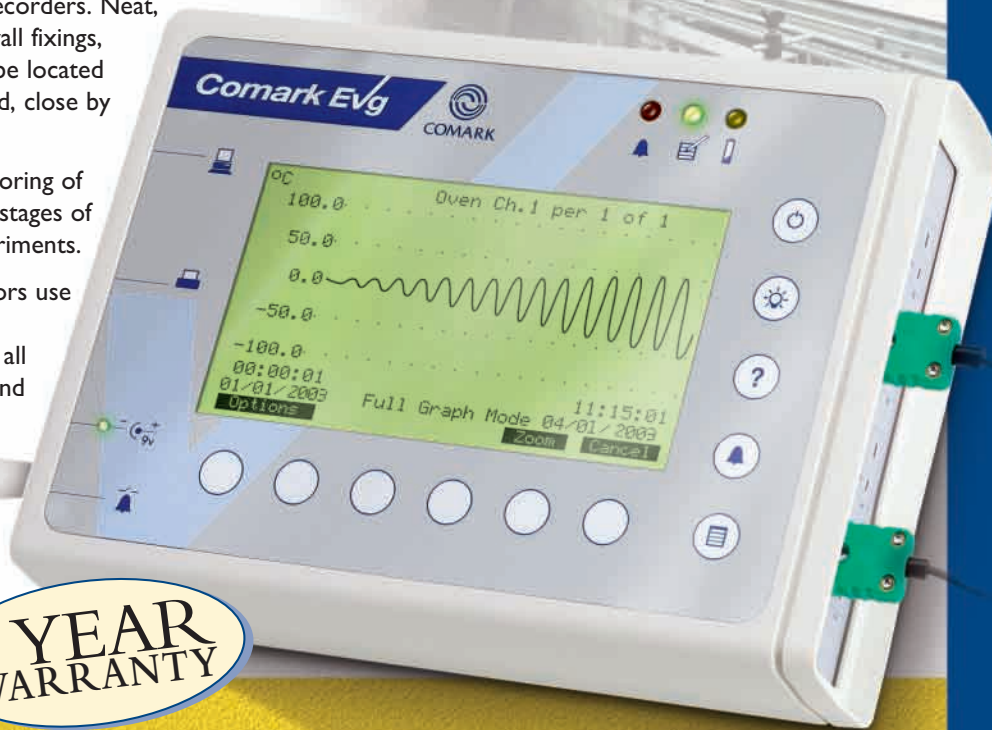
**2 YEAR
WARRANTY**

The first Diligence EVG instrument is the N3014 thermocouple monitor. This new instrument offers:

- Large LCD for graphical or tabular display of data
- Selectable °C, °F or K scales
- 8 channel monitoring
- Compatibility with wide range of Comark thermocouple probes
- Measurement range from -200°C up to +1767°C
- Large memory capacity of 64,000 readings
- Audible and visual alarm indication with alarm delay capability
- RS232 port for data communications, programming and serial printing
- Separate parallel port for printing
- Industry standard sub-miniature sensor connections
- Rechargeable battery or mains operation, with mains power adaptor/charger and carrying case included

Diligence EVG Monitors can be programmed and interrogated directly from the keypad. Keypad initiated operations include: -

- Start and stop recording by keypad or pre-set times
- Selection of wrap-around or "one-shot" memory
- Description of logging run and channel names
- Sensor configuration
- Alarm: enable, audible alarm enable, auto alarm reset, alarm acknowledge, alarm delay
- Password protection
- Clock Set
- Tabular data presentations
- Alarm temperatures with time and duration for all or selected channels
- Maximum and minimum temperatures for the specified period



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Technical Specifications	
Sensor Type	Thermocouple types K, N, T, J, R, S, E, B
Measurement Range	
Type K	-200°C to +1372°C
Type T	-200°C to +400°C
Scales	°C, °F, K
Resolution	0.1°
Instrument Accuracy, type K Thermocouple at +23°C	<±0.1% of reading, ±0.2°C
Channels	8
Recording Memory	64,000 readings
Communications	RS232 port for data download and programming via a PC or download to printer, parallel Centronics port for printer connection
Logging Frequency	Programmable between 10 seconds and 99 hours
Display	Monochrome LCD 240*128 lines for data display in graphical form
Ambient Operating Range	
Temperature	0°C to +50°C
Humidity	0 to 97% RH non-condensing
Logging Start/Stop	Programmable date and time or manual from instrument keypad
Power Requirements	
Battery	4 x IEC LR6 Size AA Alkaline or Ni-mh rechargeable (supplied)
Mains	External DC input (supplied)
Case	High impact polystyrene
LED Indication	Green x 2 = DC power on and Logging Active, Yellow – low battery, Red = Alarm
Dimensions	L 190mm x W 138mm x D 45mm

Accessories	
NISW Evolution multilanguage software on CD Rom ADP53 RS232 cable ADP54/UK Power supply/charger UK version ADP54/EU Power supply/charger EU version ADP54/US Power supply/charger US version ADP46 Connecting Cable - N3014 to a printer LC30 Large size carrying case	

Warranty

All Comark Instruments have a minimum one-year warranty unless otherwise stated. The warranty period for temperature probes is six months and all other probes and electrodes are unwarranted because the conditions of use are beyond our control.

The Comark warranty covers manufacturing defects and component failure and applies worldwide. The warranty does not affect your statutory rights.

In line with our policy of continuous development we reserve the right to alter any product specifications without notice.

All products manufactured by Comark Limited are made to the highest quality standard in accordance with the company's certification under ISO 9001.

Comark has an accredited UKAS calibration laboratory for temperature and humidity measurement and can offer full service and recalibration facilities



CERTIFICATE No. FM12129
ISO 9001



0451





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

Keison Products,

P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.

Tel: +44 (0)1245 600560

Fax: +44 (0)1245 808399

Email: sales@keison.co.uk

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.