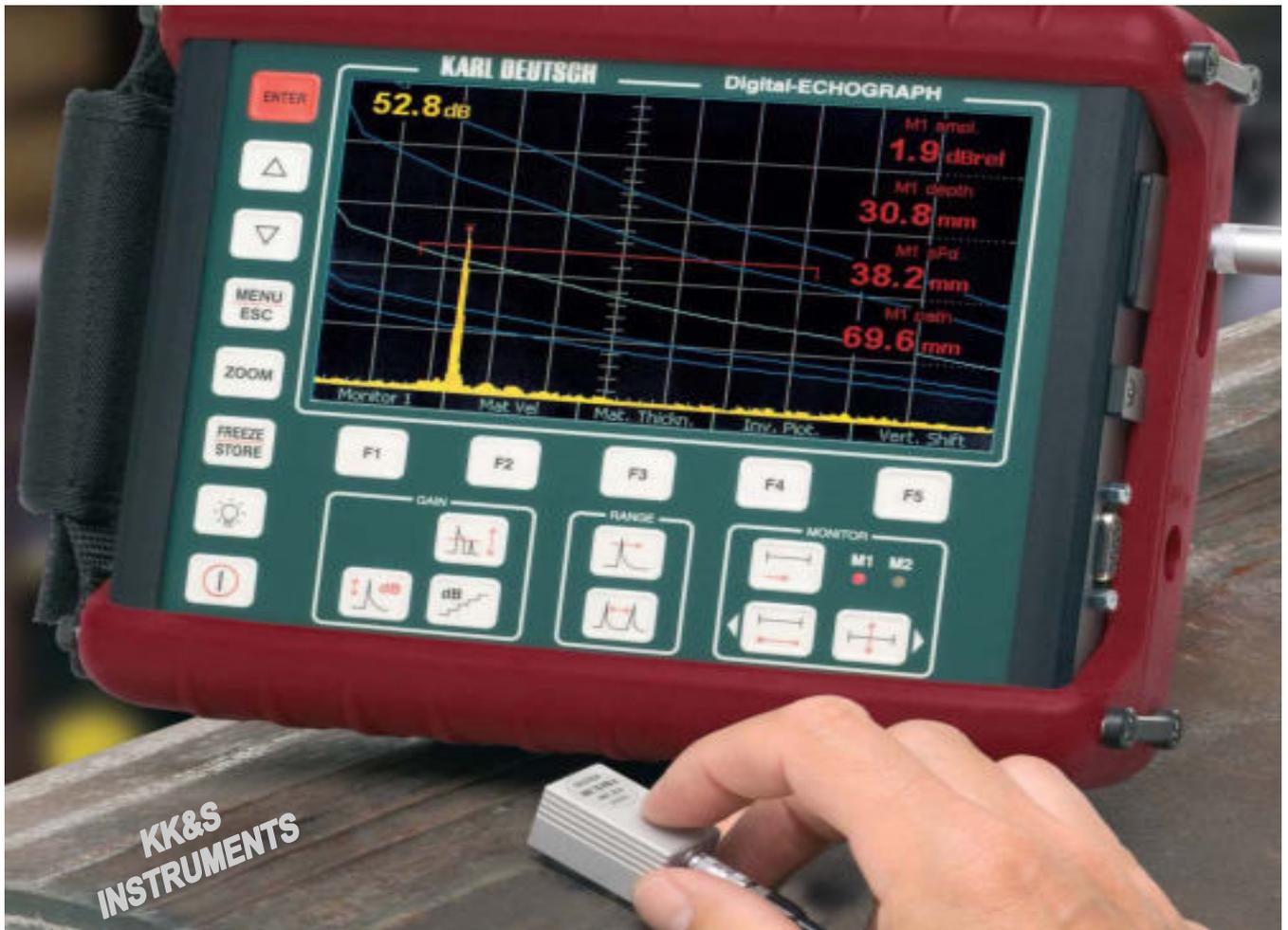


The Probe

2011

KK&S INSTRUMENTS



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KK&S INSTRUMENTS
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Product Profile - ECHOGRAPH 1090

ECHOGRAPH 1090 Compact, Sturdy, Digital
Makes Ultrasonic Testing Easier

KK&S INSTRUMENTS digital and light weight ultrasonic flaw detector the **ECHGRAPH 1090** from **Karl Deutsch** of Germany makes ultrasonic testing much easier.



This is the result of;

- The compact lightweight aluminium housing makes the Echograph only 50mm thick,
- The large 16.5cm multi colour daylight display with numerical readout for a clear view,
- 5 programmable function keys clearly arranged on the Echograph front panel,
- Plain and simple operation with multiple stored applications.
- An additional feature of the wizard function, for guiding UT operators with little experience through the main instrument settings.

At only 1.6 kg and lithium ion battery operating time of over 8 hours the **ECHOGRAPH 1090** makes good sense. The **ECHOGRAPH 1090** includes Karl Deutsch's fast digital ultrasonic processing electronics with pulse repetition frequency of up to 1500 Hz, two gates to monitor the ultrasonic time of flight and amplitude, two control lights assigned to the corresponding gates and a large A-scan memory.

The silicon rubber surround protects the **Echograph 1090** against impact damage and rough surface conditions whilst the integrated wire stand enables independent positioning of the **Echograph 1090** for testing. The optional protection bag and strap enable the **ECHOGRAPH 1090** to be slung from the operators neck for full hands free operation.

The **ECHOGRAPH 1090** is the perfect instrument for manual ultrasonic testing.

Available in Colours Hard Case, DAC / DGS & Multi Channel versions. (at an additional cost)

For pricing and availability reply to this email or contact us on

02 88503755 or www.kks.com.au

Special - ECHOTRACE COUPLANT

20% off Couplant !

For many years KK & S Instruments clients have achieved outstanding UT performance by using ECHOTRACE couplant by Karl Deutsch of Germany.

- **ECHOTRACE** is a gel and thus the ideal choice for all applications in ultrasonic testing.
- **ECHOTRACE** provides a better acoustic coupling.
- **ECHOTRACE** has a no drip formula and is therefore recommended for all applications even overhead.
- **ECHOTRACE** is non-aggressive, has an anti corrosive additive.
- **ECHOTRACE** can easily be used on surfaces with a temperature up to 80°C.
- **ECHOTRACE** is removed with water without leaving any residue.
- **ECHOTRACE** is available in sizes 100ml, 500ml, 5L, & 200L Drum.
- **ECHOTRACE** is available in a High Temperature version.



Offer Ends June 30th 2011

For orders reply to this email or contact us on

02 88503755 or www.kks.com.au

Product Profile - DUALSCOPE

KK&S INSTRUMENTS new generation of Helmut Fischer's world-wide renowned portable instruments with plug-in probes delivers non-destructive, high precision measurement of your coatings.

FMP Dualscope FMP Isoscope FMF Deltascope

FMP10- 40-100 series is comprised of 3 model types:

- The base instrument FMP10-20 with - **statistical evaluation of readings**
- The flexible user definable FMP30-40 with **statistical evaluation, memory & 100 applications**
- The premium class FMP-100 with - **full features & windows like operation**



Characteristic features of the FMP10- 20 series.

- Automatic probe recognition
- Automatic base material recognition (FMP 20)
- USB port for data transfer to a PC
- Large, display rich in contrast with 240x160 pixels
- Automatic measurement acquisition upon probe placement
- Audible signal at measurement acquisition
- Statistical display of common characteristic values such as mean, standard deviation, min, max, range
- Easy adaptation to the shape of the specimen through a normalization by means of the ZERO key
- For strong differences in shape, additional corrective calibration using one or two calibration foils
- Units of measurement can be switched between μm and mils
- Adjustable instrument switch-off or continuous operation
- Various status displays (e.g., warning battery voltage drops)
- Lockable keyboard/restricted operating mode
- Mechanical sliders to cover keys not required for the measurement operation
- Various language settings

Characteristic Features of the FMP30- 40 Series: (additional to those of the FMP10-20 series)

- Memory for up to 20,000 readings
- Up to 100 calibratable applications
- Capability of allocating readings into up to 4,000 blocks
- Date and time stamp for blocks
- Statistics display of common characteristic values in the block and final results. Output of characteristic variance-analytical values
- Graphical measurement display as a histogram with a Gaussian plot
- Capability of entering process tolerance limits and computation of the associated process capability indices cp and cpk
- Audible and visual warning when tolerance limits are exceeded
- Free-running display with additional presentation of the reading as an analogue bar between the tolerance limits
- External key-triggered measurement acquisition, e.g., in hollow cylinders with small diameter
- Capability to enable matrix measurement mode for connected multi-point measurements
- Capability of averaging measurement data:
- Measurement acquisition through area measurement possible:
- Capability to measure continuously with the probe placed on the specimen
- Outlier rejection for the automatic elimination of erroneous measurements
- Application linking mode: Ability for common normalization / calibration of applications
- USB port
- Full PC Software included

**For evaluation on your application please reply to this email
or contact us on 02 88503755 or www.kks.com.au**

News

HELMUT FISCHER SERVICES THEIR OLD PRODUCTS – SOME OF WHICH WERE SOLD 30 YEARS AGO!

KK&S INSTRUMENTS still maintain Helmut Fischer equipment over 30 years old. That's right! Because of Helmut Fischer's choice of quality products, good service and backup many of Helmut Fischer's instruments are still functioning accurately after 30 years of service

Anotest in the YEAR 1982!



FISCHER Anotest. Measures the sealing quality of Anodic coatings. Still in use by customers and still repaired and calibrated by KK&S Instruments.

LATEST MODEL IN THE YEAR 2011



FISCHER ANOTEST® YMP 30-S tests the sealing quality of anodic coatings on aluminum, which is an important factor for weather resistance. It measures the admittance Y of the anodic oxide film in accordance to DIN EN 12 373-5 and ASTM B 457-67.

Henke Sass Wolf of Germany now offer two additional models in their Econoscope range of Borescopes



KK & S Instruments introduce two new models in the "Econoscope" range.

6.5 & 5mm with the original 9mm diameter with workable lengths of up to 390mm. This popular **Econoscope** model has been around for more than 10 years and has earned it right as a market leading product. HSW has a history of over 85 years and are renowned for their quality robust Borescopes. Only German lenses are used throughout the range to ensure the **Econoscope** is created with the best image quality. The inbuilt halogen lighting, battery operation and up to a 90° field of view make the Econoscope a go anywhere Borescope that is great for most jobs. The **Econoscope** is still made & built in Germany

Like more information or a price please reply to this email
or contact us on 02 88503755 or www.kks.com.au

Application - Selecting the Right Coating Gauge

Not too **THICK** Not too **THIN** - JUST RIGHT

THE DUALSCOPE



For Precise Measurement

- Non-magnetic coatings on ferromagnetic substrate materials, e.g., zinc, chromium, copper, tin, paint, powder coat, lacquer, synthetics, enamel & wear resistant coatings on iron or steel.
- Electrically non-conducting coatings on non-ferrous metals, e.g., paint, powder coating, lacquer or synthetics on aluminium, brass or zinc as well as anodized coatings on aluminium.

NOT ALL DUALSCOPES ARE CREATED EQUAL!

For many decades now Helmut Fischer has been producing the DUALSCOPE® series of coating thickness measurement instruments, these being;

FMP100 Multiple Probe capability, Colour LCD Display, Touch screen, Drop and Drag configuration, Print forms in PDF Format, Most flexible Dualscope in the range, Password protection, Automatic Data Backup, Full Data Evaluation, 256 MB internal data memory, The best you can get.

FMP40 Multiple Probe capability, Displays significant stats, Tolerance Monitoring, Graphical evaluation Memory-20,000 readings, 4,000 Blocks, Date and Time stamp, PC Software

FMP20 Multiple Probe capability, Displays significant stats, High Contrast Display, Complex shape measuring probes, USB Port for data transfer, PC software included

MPOR-FP External flexible Probe, Displays significant stats, Greater accessibility due to small size and probe, Fast Normalisation via the ZERO button.

MPOR Inbuilt probe, Displays significant stats, Single handed operation, Twin screen display. For clean and dry finished products only



WHICH DUALSCOPE® FOR ME?

This is a question often asked by intending users and has no simple one size fits all answer. All Dualscopes® in the range exhibit the same high levels of accuracy (dependant on probe fitted) and repeatability. It is only the size, robustness and extra features that set them apart, so when considering the purchase of a Helmut Fischer® Dualscope® it is features and intended operational requirements that should be scrutinised:

- Are you a high or low volume user?
- Do you need advanced statistics?
- What environment will it be used in?
- Will it be a single user instrument or many different users?
- How important is repeatability?
- Is measurement access or probe size important?

The FMP100 is a top of the line fully featured instrument utilising a wide range of Helmut Fischer probes for maximum utility. Designed to work on the production floor or in the Laboratory, it is at home everywhere in your facility. Its mechanically robust design and user friendly interface offering a bright colour touch screen LCD with Windows® Drop and Drag format, is familiar to many users. The ability to print in PDF further gives a known feel to the instrument. The FMP100 offers you everything that you could want in a coating thickness measuring instrument.

The FMP40 is a rugged production environment instrument that also uses a wide variety of probes. It does not offer some of the high end statistical functions of the FMP100 but like the 100 it is robust and reliable especially when used by many hands. Its large graphical display and AC power option makes it a pleasure to use.

The FMP 20 is the little brother to the FMP40, it is built in the same rugged case to minimise service requirements and to sustain itself against those little mishaps that invariably happen on the job. It has a few less features like matrix mode, area measurement and automatic measurement but includes lockable keyboard / restricted operating mode which provides an accurate, fast and robust source of coating thickness measurement with statistical display.

The MPOR-FP is yet smaller and lighter than the FMP Series, designed for use where space is a premium. The probe with lead gives greater flexibility in measurement than the MPOR whilst still giving the operator all the convenience of miniaturisation.

The MPOR, is the Baby in the range of Helmut Fischer Dualscope® coating thickness instruments the MPOR provides the greatest level of miniaturisation in the range. Like the MPOR-FP it is constructed from light weight materials, weighing a mere 85g.



As can readily be seen from the above there are considerable differences in each of these instruments and with those differences comes a price difference. This price difference be readily appreciable if special features are required, however when less advanced features are needed the cost/benefit relationship becomes less obvious.

Why should I purchase an FMP20 and not an MPOR-FP? This is a valid question if the only requirement is to obtain a measurement, however, is it just one measurement every so often or is it daily use? or in a harsh environment? will there be many hands using the instrument? What are the non-measurement related issues that enter into the purchasing equation?

KK&S instruments have been supplying NDT instruments for over 30 years, we are intimately familiar with the instruments that we sell. We have experienced many, many different environments and operational situations and are uniquely suited to analyse your particular situation.

Make use of our experience, we want you to have the correct instrument first time and for a long time, we pride ourselves on the quality and reliability of our instruments, the information that we give and your ultimate satisfaction with our products and us.

Have any questions or like a price, contact us now !
Ph 02 88503755 - contact@kks.com.au - www.kks.com.au



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