

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

THE DUALSCOPE

For Precise Measurement

- Non-magnetic coatings on ferro-magnetic substrate materials, e.g., zinc, chromium, copper, tin or paint, powder coating, lacquer, synthetics, enamel 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 DUALSCOPE\$ 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

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

FMP20 Multiple Probe capability
 Displays significant Stats
 High Contrast Display
 Complex shape measuring probes
 USB Port for data transfer

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

MPOR Inbuilt probe
 Displays significant stats
 Single handed operation
 Twin screen display



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 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 is 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.

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