

## Simple, Fast, and Accurate Coating Thickness Measurements

QC3 Series Dry Coating Thickness Gauges are simple and accurate instruments used to measure coatings (paint, varnish, lacquer, etc.) and platings (niquel, zinc, chrome, etc.) applied over Ferrous and Non-Ferrous surfaces. All QC3 models have a memory to store up to 5000 readings, but data can only be transferred to a PC on the QC3 DLF and QC3 DLN models using dmq DataCenter software.



Ferrous



Non-Ferrous



### Applications

Measure coatings and platings

Use for controls in production

Check finished products

Measure paint, varnish, lacquer

Measure niquel, zinc, chrome

Inspect galvanized steel

Check OPC drum cartridges



### Outstanding Features

- Measure over ferrous and non-ferrous bases
- 3 calibration modes
- dmq probes with Cal-Tag technology
- Errors of 1 to 3%
- Continuous measurements up to 99 per minute
- Large LCD display w/ LED backlight
- Transfer data to PC via USB ( DL models )
- dmq DataCenter Software
- High impact ABS enclosure w/ rubber sides
- Touch-Sense front panel

## 4 Models

|  | QC3<br><i>F</i> | QC3<br><i>N</i> | QC3<br><i>DLF</i> | QC3<br><i>DLN</i> |
|--|-----------------|-----------------|-------------------|-------------------|
| User Friendly Interface                      | •               | •               | •                 | •                 |
| 3 Calibration Modes                          | •               | •               | •                 | •                 |
| Fast Mode 99 Readings Per Minute             | •               | •               | •                 | •                 |
| Alarms: Minimum, Maximum                     | •               | •               | •                 | •                 |
| Statistics                                   | •               | •               | •                 | •                 |
| Model License Upgrades                       | •               | •               | •                 | •                 |
| <i>Ferrous / Magnetic Base</i>               | •               |                 | •                 |                   |
| <i>Non-Ferrous / Non-Magnetic Base</i>       |                 | •               |                   | •                 |
| <i>Transfer values to a PC (Data Logger)</i> |                 |                 | •                 | •                 |

*F = Ferrous*  
*N = Non-Ferrous*  
*DL = Data Logger*



Complies with DIN EN ISO 2178,  
ASTM D7091 and DIN EN ISO 2360

## Technical Specifications

### Measurement

|              |   |
|--------------|---|
| Normal range | 0-1500 $\mu\text{m}$ (0-60 mils)            |
| Error        | $\pm 1$ to 3% or $\pm 1$ to 3 $\mu\text{m}$ |
| Resolution   | Resolution: 1 $\mu\text{m}$ (0.1mil)        |
| Units        | $\mu\text{m}$ (microns) and mils            |
| Alarms       | Programmable high and low                   |
| Hold Last    | Last measurement is displayed               |

### Calibration

|         |               |
|---------|---------------|
| 3 modes | B+P, 1PT, BSE |
|---------|---------------|

### Data Logger

|               |                            |
|---------------|----------------------------|
| Capacity      | 5000 + readings            |
| Organization  | Up to 8 files with names   |
| Capture modes | Manual, single, continuous |

### PC Connection

|            |     |
|------------|-----|
| Connection | USB |
|------------|-----|

### Front Panel

|             |             |
|-------------|-------------|
| Type        | Touch-Sense |
| Sensitivity | Adjustable  |

### User Interface

|            |                                 |
|------------|---------------------------------|
| Languages  | English, Spanish and Portuguese |
| Navigation | Menus and Icons                 |

### Electronic Unit

|              |                                   |
|--------------|-----------------------------------|
| Dimensions   | 78 x 117 x 24 mm                  |
| Weight       | 180g with batteries               |
| Working Temp | -10° a +50°C                      |
| Enclosure    | High impact ABS with rubber sides |

### Power Supply

|                   |                           |
|-------------------|---------------------------|
| Batteries         | 2 x AA 1,5v               |
| Battery life      | 100 hours w/backlight off |
| Battery Indicator | Permanent                 |
| Shutdown          | Manual, auto              |

### Display

|           |                         |
|-----------|-------------------------|
| Digits    | 17mm tall               |
| Backlight | LED (On, Off, Auto)     |
| Contrast  | Digital                 |
| LCD       | Graphic LCD 128 x 64 px |

## Presentation

- QC3 electronic unit
- Straight (F, NF) probe
- Calibration base (F, NF)
- Set of 3 calibration shims
- USB cable to connect to PC
- dmq DataCenter Software
- Printed user manual
- High impact carrying case
- Certificate of conformity

## dmq DataCenter Software

DataCenter is a universal program developed by Demeq that is used to download and process data in all models with a Data Logger ( DL ). Values stored in the unit memory can be transferred to a PC via USB.

