

# Portable Conductivity Meter CM-105



## Description

Portable Conductivity Meter CM-105 is used for water analysis, chromatography, or biological research. Waterproof housing preserves special performance in different surroundings.

Simple functional equipment collects data even after the tool is shut. Ideal to check water purity the conductivity meter measures total dissolved solids and are equipped with TFT and LCD display for accurate conductivity reading.

The best of the range, portable versatile parameter conductivity meters such as conductivity, resistivity, TDS, salinity, temperature, and ash content more suited to robust industrial applications. CE Certified.

## Technical:

| Model                    | CM-105                    | CM-110                         | CM-115                     | CM-120                                      |
|--------------------------|---------------------------|--------------------------------|----------------------------|---|
| Parameter                | Conductivity              |                                |                            | Cond/Resistivity//Salinity Tem /Ash co      |
| Display                  | LCD                       | TFT Touch screen               |                            | Backlit LCD                                 |
| Conductivity Range       | 0 $\mu$ S/cm to 100 mS/cm | 0 $\mu$ S/cm to 3000 ms/cm     | 0 $\mu$ S/cm to 1000 ms/cm | 0 $\mu$ S/cm to 199.9 mS/cm                 |
| Conductivity Resolution  | 0.01 $\mu$ S/cm           | -                              |                            | -   |
| Conductivity Accuracy    | $\pm 1.0$ % FS            | $\pm 0.5$ %FS                  | $\pm 1.0$ %FS              | $\pm 1.0$ % FS                              |
| Resistivity Range        | -                         | 5 $\mu$ .cm to 100 M $\mu$ .cm |                            | 0.00 $\mu$ .cm to 20.00 M $\mu$ .cm         |
| Resistivity Accuracy     | -                         | $\pm 0.5$ %FS                  | $\pm 1.0$ %FS              | $\pm 1.0$ % FS                              |
| Temperature Range        | -                         | -5 to 130?                     | -5 to 105?                 | -5 to 135?                                  |
| Temperature Resolution   | -                         | -                              |                            | -   |
| Temperature Accuracy     | -                         | $\pm 0.1$ ?                    | $\pm 0.2$ ?                | $\pm 0.3$ ?                                 |
| TDS Range                | -                         | 0 mg/L to 1000 g/L             | 0 mg/L to 300 g/L          | 0.000 mg/L to 100 g/L                       |
| TDS Resolution           | -                         | -                              |                            | -   |
| TDS Accuracy             | -                         | $\pm 0.5$ %FS                  | $\pm 1.0$ %FS              | $\pm 1.0$ % FS                              |
| Salinity Range           | -                         | 0 to 8 %                       |                            | 0.00 to 8.00%                               |
| Salinity Resolution      | -                         | -                              |                            | -   |
| Salinity Accuracy        | -                         | $\pm 0.01$ %                   | $\pm 0.2$ %                | $\pm 0.2$ %                                 |
| DO Range                 | -                         | -                              |                            | 0 to 19.99 mg/L                             |
| DO Resolution            | -                         | -                              |                            | 0.01 mg/L                                   |
| DO Accuracy              | -                         | -                              |                            | $\pm 0.30$ mg/L                             |
| Ion Concentration Range  | -                         | -                              |                            | 0 to 19990 $\mu$ g/L,mg/L, g/L,mol/L,mmol/L |
| Temperature Compensation | Manual 15 to 35?          | -                              |                            | -   |
| Temperature coefficient  | Manual adjustment         | -                              |                            | -   |
| Calibration              |                           | 2 points                       |                            | -   |
| Ion Mode                 | -                         | -                              | -                          | H+,Ag+,Na+,K+,Cl-,F                         |
| Certification            | CE                        |                                |                            |   |
| Storage                  |                           | 2000 set                       |                            | 2200 sets                                   |
| Interface                |                           | MicroUSB                       |                            | USB   |
| Dimensions               | 170x70x30 mm              | -                              |                            | 210x100x45 mm                               |

|                          |                       |                       |                       |  |
|--------------------------|-----------------------|-----------------------|-----------------------|--|
| Weight                   | 0.3 kg                |                       |                       | 0.5 kg                                 |
| Electrical Requirement   | 2 set of AA batteries | Li-on battery DC 3.8V |                       | 4 AA batteries                         |
| Catalogue No.            | 7101005-04            | 7101010-04            | 7101015-04            | 7101020-04                             |
| Model                    | CM-105                | CM-110                | CM-115                | CM-120                                 |
| Parameter                | Conductivity          |                       |                       | Cond/Resistivity//Salinity Tem /Ash co |
| Display                  | LCD                   | TFT Touch screen      |                       | Backlit LCD                            |
| Conductivity Range       | 0 ?s/cm to 100 mS/cm  | 0 us/cm to 3000 ms/cm | 0 us/cm to 1000 ms/cm | 0 ?s/cm to 199.9 mS/cm                 |
| Conductivity Resolution  | 0.01 ?s/cm            | -                     |                       | -                                      |
| Conductivity Accuracy    | ±1.0 % FS             | ±0.5 %FS              | ±1.0 %FS              | ±1.0% FS                               |
| Resistivity Range        | -                     | 5 ?.cm to 100 M?.cm   |                       | 0.00 ?-cm to 20.00 M?.cm               |
| Resistivity Accuracy     | -                     | ±0.5 %FS              | ±1.0 %FS              | ±1.0% FS                               |
| Temperature Range        | -                     | -5 to 130?            | -5 to 105?            | -5 to 135?                             |
| Temperature Resolution   | -                     | -                     |                       | -                                      |
| Temperature Accuracy     | -                     | ±0.1?                 | ±0.2?                 | ±0.3?                                  |
| TDS Range                | -                     | 0 mg/L to 1000 g/L    | 0 mg/L to 300 g/L     | 0.000 mg/L to 100 g/L                  |
| TDS Resolution           | -                     | -                     |                       | -                                      |
| TDS Accuracy             | -                     | ±0.5%FS               | ±1.0%FS               | ±1.0% FS                               |
| Salinity Range           | -                     | 0 to 8 %              |                       | 0.00 to 8.00%                          |
| Salinity Resolution      | -                     | -                     |                       | -                                      |
| Salinity Accuracy        | -                     | ±0.01 %               | ±0.2 %                | ±0.2%                                  |
| DO Range                 | -                     | -                     |                       | 0 to 19.99 mg/L                        |
| DO Resolution            | -                     | -                     |                       | 0.01 mg/L                              |
| DO Accuracy              | -                     | -                     |                       | ±0.30 mg/L                             |
| Ion Concentration Range  | -                     | -                     |                       | 0 to 19990 ug/L,mg/L, g/L,mol/L,mmol/L |
| Temperature Compensation | Manual 15 to 35?      | -                     |                       | -                                      |
| Temperature coefficient  | Manual adjustment     | -                     |                       | -                                      |
| Calibration              |                       | 2 points              |                       | -                                      |
| Ion Mode                 | -                     | -                     | -                     | H+,Ag+,Na+,K+,Cl-,F                    |
| Certification            | CE                    |                       |                       |  |
| Storage                  |                       | 2000 set              |                       | 2200 sets                              |
| Interface                |                       | MicroUSB              |                       | USB                                    |
| Dimensions               | 170x70x30 mm          | -                     |                       | 210x100x45 mm                          |
| Weight                   | 0.3 kg                | -                     |                       | 0.5 kg                                 |
| Electrical Requirement   | 2 set of AA batteries | Li-on battery DC 3.8V |                       | 4 AA batteries                         |
| Catalogue No.            | 7101005-04            | 7101010-04            | 7101015-04            | 7101020-04                             |

|                  |                       |
|------------------|-----------------------|
| <b>Shipping:</b> | 2 - 3 weeks Delivery. |
|------------------|-----------------------|

|                             |                           |
|-----------------------------|---------------------------|
| source:                     | -                         |
| calibration:                | -                         |
| ion_concentration_accuracy: | -                         |
| ion_concentration_range:    | -                         |
| ntu_range:                  | -                         |
| sample_bottle:              | -                         |
| sample_capacity:            | -                         |
| do_accuracy:                | -                         |
| do_saturation_range:        | -                         |
| do_range:                   | -                         |
| conductivity_accuracy:      | 1.0 % FS                  |
| conductivity_resolution:    | 0.01 $\mu$ S/cm           |
| conductivity_range:         | 0 $\mu$ S/cm to 100 mS/cm |
| temperature_compensation:   | Manual 15 to 35?          |
| mv_accuracy:                | -                         |
| mv_resolution:              | -                         |
| mv_range:                   | -                         |
| ph_accuracy:                | -                         |
| ph_resolution:              | -                         |
| ph_range:                   | -                         |
| model_type:                 | -                         |
| temperature_range:          | -                         |
| wavelength:                 | -                         |
|                             |                           |

model:

CM-105

## Iris Analytical Ltd.

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