



UNICAL System

DENSITY CALIBRATOR/ANALYSER – PORTABLE

A hand held calibration tool for the Production Supervisor or Instrumentation Technician. The UNICAL allows fast and accurate checking of density samples. The UNICAL is battery powered and extremely small and light, making for an instrument that is portable. Density value is indicated on a bright and easy to read, large digit LCD display. The UNICAL provides a direct read out of density in SG units.

UNICAL-200 System

UNICAL-200 DENSITY CALIBRATOR/ANALYSER

Where the portability of the UNICAL is not required, the UNICAL-200 provides for a permanent installation. Powered from mains, the UNICAL-200 provides all the features of the UNICAL with the added improvements of increased accuracy and a more ruggedized arrangement with a higher protection rating (IP55). The UNICAL-200 provides a direct read out of density in SG units or % solids

UNICAL-420 System

This is a fixed installation Density Analyser incorporating the UNIPRO^{IV} transmitter with LCD display, integrated load cell. The UNICAL-420 system is intended for applications where hand drawn density samples are to be accurately analysed and automatically logged to a SCADA system. It may be supplied for either "Keypad" or heavy duty "Push Button" operation.

The gauge provides the following features:

- Identification of the person making the measurement.
- Selection (identification) of up to 5 process lines.
- Analysis of hand sampled Density.
- Optional host computer connectivity (all major field bus are supported) – to report results (date & time stamped) with the analysis results.

Calibration / Standardisation Tools include

- Indication/verification of the gauge calibration accuracy;
- Verification of the sample flask volume.
- Indication of Date of last calibration verification.
- Date of last volume verification.



Unical Portable



Unical-200



Unical-420



Unical Technical Data

| | |
|-------------------------------|---------------------|
| <i>Measurement Range</i> | 1,00 SGU - 7,00 SGU |
| <i>Measurement Resolution</i> | 0,02 SGU |
| <i>Protection</i> | IP 20 |
| <i>Power requirement</i> | Battery powered |



Unical-200 Technical Data

| | |
|-------------------------------|---|
| <i>Measurement Range</i> | 1,000 SGU - 4,500 SGU |
| <i>Measurement Resolution</i> | 0,0005 SGU (10 litre sample flask); 0,001 SGU (1 litre sample flask) |
| <i>Protection</i> | IP 54 |
| <i>Power requirement</i> | 110/220 VAC, 50/60 Hz or; 24 VDC. |



Unical-420 Technical Data

| | |
|-------------------------------|---|
| <i>Measurement Range</i> | 1,000 SGU - 4,500 SGU |
| <i>Measurement Resolution</i> | 0,0005 SGU (10 litre sample flask); 0,001 SGU (1 litre sample flask) |
| <i>Protection</i> | IP 54 |
| <i>Power requirement</i> | 110/220 VAC, 50/60 Hz |

