

# Benchtop Digital Thermometer

## Single- and Ten-Channel Models

**MONOGRAM**  
SERIES



Shown smaller  
than actual size.

MDSS41-TC-GN, shown with TTSS-18U-6 transition junction and quick-disconnect thermocouples, sold separately.

MDS41-TC, shown with GKM QS-125U-6 miniature quick-disconnect probes, sold separately.

### MDS41 Series

**Product Discontinued**

as of 8/28/2017

- ✓ Front Panel Programmable for 9 Thermocouple Calibrations
- ✓ 0.2° Accuracy for Temperature
- ✓ 0.01° Resolution
- ✓ Min/Max Storage
- ✓ Optional Analog Output
- ✓ Optional RS232 Communications
- ✓ 115 Vac Power

The MDS41 is a high-precision digital benchtop meter that accepts thermocouple inputs. The large, easy-to-read 13 mm (0.5") display features 6 digits with 0.01° resolution. The thermocouple input model has 9 thermocouple types in memory, any one of which can be selected through the front panel. The unit is switchable to °C/°F/K.

The single-channel unit includes a universal rear connector which accepts either the miniature or standard quick disconnect connector. The 10-channel MDSS uses screw terminals for temperature input.

Optional scalable analog output is available and can be ordered as a 0 to 10 Vdc or 4 to 20 mA. The analog output provides a retransmission of the measured temperature for recorders or data loggers.

Visit OMEGA for more information on the DP41 series.



Rear panel showing sub-D connector for optional RS232 output.

To Order		
Model No.	Input Type	No. of Channels
MDS41-TC	Thermocouple	1
MDSS41-TC	Thermocouple	10

Red LED display and 115 Vac power are standard. For green LED display, add suffix "-GN" to model number, no additional charge. For analog output, add suffix "-A" to model number.

**Note:** The analog output for the MDSS models is for the displayed channel only. To order units with optional RS232 communications, add suffix "-S2" to model number, for additional cost.

**Ordering Example:** MDS41-TC, single-channel benchtop indicator, thermocouple input.



MDS41-TC high-accuracy benchtop thermometer shown smaller than actual size, with KMTXL-125U-6 Type K molded transition joint thermocouple.

### Economical Series

The DS (single-input) and the DSS (10-input) benchtop cases are OMEGA's more economical cases. The DS and DSS cases maintain the versatility of panel meters and the portability of a benchtop. The DS and DSS are a beige color.



OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.

### Benchtop Models

Monogram Series	Description
MDS (*)	Single-input benchtop meter
MDS-02 (*)	Single-input with rechargeable battery option
MDSS (*)	10-input benchtop meter
MDSS-02 (*)	10-input with rechargeable battery option
Economical Series	Description
DS (*)	Single-input benchtop meter
DSS (*)	10-input benchtop meter

\* Insert model number of meter and thermocouple type. See table below for ordering information.

Vist OMEGA for Additional Meters and Specifications.

### Benchtop

Single-Channel Model No.	10-Channel† Model No.	Base Meter Model No.	Specs	Serial Communications	Analog Output
MDS41-TC	MDSS41-TC	DP41-TC	Visit us online	Optional	Optional
MDS116-(*)	MDSS116-(**)	DP116-(**)		—	Standard
MDS25B-(*)	MDSS25B-(**)	DP25B		—	Optional

Comes complete with operator's manual.

\*\* Insert thermocouple type or the meters specific range code.

† For 10-channel models, communication port can only access input currently selected by 10-point selector switch on front of unit.

**Note:** The benchtop models using the DP41-TC is programmable for any thermocouple type listed on the meter's specification sheet.

To order the DS version one channel replace the "MDS" in the model number with "DS", and subtract from the MDS price.

To order the DSS ten channel version replace the "MDSS" in the model number with "DSS", and subtract cost from the MDSS price.

**Ordering Example:** MDS116-JF, single-channel benchtop indicator, Type J thermocouple input, °F.

OCW-2, OMEGACARE<sup>SM</sup> extends standard 3-year warranty to a total of 5 years.