



Technical features		DigiCal DCM 2	DigiCal DCS 2
Measuring range	°C		-200...450
Resolution	°C		-200...200: 0.01 > 200: 0.1
Precision of the completely calibrated measuring sequence (channel 1)	°C		-100...150: 0.03 -200... -100 und 150...200: 0.05 > 200: 0.1 %
Precision of the measuring amplifier without probe	°C		0.03
Sampling rate		1/sec with 0.01 °C resolution or 4/sec with 0.1 °C resolution	
Temperature probe circuit		Pt 100 Kl. B1/3 DIN sheath resistance probe in 4-conductor Probe 3 mm Ø, pipe from stainless steel, 300 mm long Probe length at end of pipe < 35 mm Plastic handle, from ABS	
Response time t 90	sec		< 8
Response time t 50	sec		< 3
Long-term stability	°C		-100 up to 300: 0.03 per year
Repeatability including hysteresis	°C		0.015
Cable		PVC cable, 2 m long, with 8-pole plug acc. to DIN standard	PVC cable, fixed connection: 2 m Optional, 2 nd plugged-in probe: 2 m, with 8-pole plug acc. to DIN standard
Connection to device		2-channel: both with 8-pole socket acc. to DIN standard	2-channel: 1 st probe connected permanently to the rear 2 nd probe pluggable to the front side, with 8-pole socket acc. to DIN standard
Factory calibration certificate as standard		Standard without calibration certificate	Standard with Factory calibration certificate for 1 st probe at 0 and 150 °C
Measurement channels		1 st channel included in the delivery 2 nd channel optional, also with pluggable probe	1 st channel permanently connected via terminal strip 2 nd channel optional with pluggable sensor
Digital output as standard		RS 232, galvanically isolated on 8-pole DIN socket	RS 232, galvanically isolated, with 9-pole Sub D socket on the rear
Analogue output as standard		–	Both channels separately at 12 bits scalable at 0-1 V at Ø 4 mm banana plug on the rear of the device
Power supply		battery operation with 9 V block for 20 h operating time, plug or battery as optional accessories	plug for 230 V Optional: universal power supply 90-260 V
Housing material		ABS	ABS
Dimensions W x H x D	mm	85x200x40	200x80x200
Weight	g	300	950
Cat. No.		LMD 917	LMD 018 (230 V; 50/60 Hz) LMD 818 (90-260 V; 50/60 Hz)