

# 6508A

## PRECISION SDI-12 TEMPERATURE INSTRUMENT



### MODEL A



### APPLICATIONS

- Aquaculture & hatcheries
- Soil temperature
- Surface water
- Streams
- Dams
- Ambient temperature
- Hydroponics
- Stilling wells
- Agriculture & soil science

- Submersible SDI-12 Temperature instrument
- Accurate to less than 0.1°C over the range of -5°C < T < +50°C
- Very Low power
- Precision 24 bit digital temperature sensor
- Stable and factory calibrated

### SPECIFICATIONS

PERFORMANCE SPECIFICATIONS	
RANGE & ACCURACY:	±0.1°C over -5°C < T < +50°C ±0.5°C over -20°C < T < +70°C
RESOLUTION:	0.01°C
RESPONSE TIME:	22s to 63.2% of a step change
OPERATING RANGE:	-20°C to 70°C
MAXIMUM CABLE LENGTH:	200' (60m) as per SDI-12 standard
SUPPLY VOLTAGE:	6Vdc to 16Vdc
IDLE (SLEEP) CURRENT:	340uA
ACTIVE READ CURRENT:	< 4mA while responding to an SDI-12 command

PHYSICAL SPECIFICATIONS	
MATERIALS:	Stainless steel 304, PVC, Polyurethane Polyethylene cable sheath
SIZE:	Diameter 0.5" (12.7mm) x 5.7" (145mm) long
WEIGHT:	~ 220 grams with 10 meter cable
CABLE LENGTH:	10m standard length, custom lengths available on request
SDI-12 SUPPORT	
SDI-12 VERSION:	V1.3      crc supported
COMMAND SUPPORT:	a!              acknowledge
	a!!             return identification
	aAb!          change address
	aM! aMC!     start measurement
	aD!            return measurement data