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

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
    - aI!: return identification
    - aAb!: change address
    - aM! aMC!: start measurement
    - aD!: return measurement data

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