

HiTECH

Technologies, Inc.

Economical DigiCap

TWO-WIRE LEVEL TRANSMITTER

Digital Capacitance Technology

Model D-CAP

IDEAL for

Biotech
Chemicals
Food Processing
Petro-chemicals
Pharmaceuticals
Power Plants
Pulp & Paper
Water & Wastewater



ADVANTAGES

- 18 Bit digital resolution
- Simple magnet programming
 - Adjustable zero and span
- Compact encapsulated transmitter
 - NEMA 4X housing
- Rigid rod probes
 - Insulated Teflon or Kynar
 - Bare 316 SS
 - Up to 20 feet long
- Flexible cable probes
 - Light or Heavy duty
 - Up to several hundred feet long

DigiCap™ is HiTECH's **unique Digital Capacitance Two-Wire Level Transmitter**, the ideal choice for general purpose level applications involving liquids or solids.

The **DigiCap™** measures level based on changes in the electrical capacitance between the sensing element and earth ground. The technology is applicable for either conductive or insulating materials.

Its' wide measurement range and its' 1-1/2" NPT mounting make the **DigiCap™** well suited for many applications including; liquids, slurries, powders, and granulars, vaporous chemicals, viscose and/or corrosive materials, as well as processes involving high pressure, high temperature or vacuum.

instru•tech
industrial solutions

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SPECIFICATIONS

Model D-CAP

Type Digital Capacitance Technology Two-Wire level transmitter	Operating Voltage 12 to 26 VDC	Operating Temperature -13 to +250 °F
Measuring Range Up to 66 feet	Max Load Resistance $R_{\max} = \frac{(V_s - 12V)}{0.02A}$	Ambient Temperature -13 to +185 °F
Linearity < 0.5% of Full Scale	Materials of Construction Probe PFA or PVDF & 316SS Enclosure NEMA 4x	Temperature Coefficient Zero $\pm 2 \mu A$ per 1°C Span $\pm 3 \mu A$ per 1°C
Output Signal 4 to 20 mA Two-Wire	Mounting 1" or 1-1/2" NPT or Flange	Process Pressure max. 230 psi

PERFORMANCE GUARANTEE

Since 1986, every instrument sold by **HiTECH** has been guaranteed to perform in the application it originally was engineered and recommended for. Our company policy remains the same, every product sold comes with a **written performance guarantee.**

Should the equipment be unable to perform satisfactorily in your application and we are not able to correct the problem, we will accept the instrument in return and issue full credit.

This performance guarantee is valid for 60 days. Thereafter, our standard limited two years factory warranty goes into effect.