

## Capacitance Probes

get the point of concrete, ag, plastics & more

BinMaster capacitance probes are for point level measurement of bulk solids in any industry. They work by sensing a capacitance change caused when material contacts or falls away from the probe. When a change is detected, it is converted into an output signal sent to a PLC, light, or alarm panel.

### Partially & fully-sleeved

The probes are offered either partially or fully sleeved and in lengths from 6" to 48". The partial probe sleeve insulation is made of PTFE. Fully-sleeved probes are offered with insulation of PE or PTFE.

Enclosures available in plastic, stainless steel, or aluminum versions.  
Protection ranges are up to IP 68.

### Hanging sensing cable

A stainless wire flexible hanging weighted cable is available in lengths up to 105 feet (32 meters). The cable is securely attached to a partially-sleeved probe. The standard connection for a cabled version is 1" NPT.

### Durable construction

BinMaster capacitance probes feature robust mechanical construction. For the user, this means a long service life and minimal maintenance requirements. The wetted parts of the instrument are made of stainless steel.

#### Specifications

Probe length	6" to 48"
Cable length	up to 25 feet (8 meters)
Process fitting for probes	½ NPT
Process fitting for cable	1" NPT thread
Process pressure	-1 to +64 bar/-100 to +6400 kPa (-14.5 to +928 psig)
Process temperature	-58°F to +392°F (-50°C to +200°C)
Ambient temperature	-40°F to +176°F (-40°C to +80°C)
Operating voltage	12 to 36 V DC
Hazardous location approvals	ATEX and IEC available

Procap FS -  
fully sleeved

Procap PS  
- partially  
sleeved

Procap FC -  
flexible cable