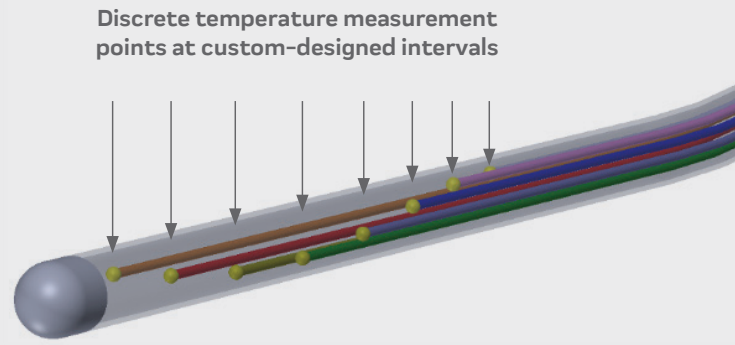


# NEW AGE SENSOR ARRAY



The New Age Temperature Array (TSA) consists of a series of temperature measurement points (thermocouples) contained inside a steel, small diameter (capillary) tubing. All measurement points remain dry and isolated from the process fluids around the tubing. Due to the very small diameter of the wires, many measurement points can be created at pre-determined intervals along the length of the tubing.



All high-temperature insulated electrical wires exit the “top” end through a proprietary, certified, secondary seal which forms a gas-tight seal between all conductors and the tube ID. This seal is rated to 14 MPa (2000 psi) -40°C to +40°C.



The down-hole or end of the tubing is terminated with a welded-on bull-nose or an optional pressure & temperature sensor. In either case, a sinker bar can be attached to help guide the string downhole.

GENERAL SPECIFICATIONS	
Maximum Sensor Array Temperature:	300°C (250°C with integrated P-T sensor)
Sensor Density (without P-T sensor):	0.25" x 0.035" tubing: 6 points 0.38" x 0.035" tubing: 32 points 0.50" x 0.035" tubing: 50 points
Tubing Material:	Alloys 316L, 2205 Duplex, Inconel 625, Incoloy 825
Sinker Bar:	Ø1.5" x 24" long (standard)
Pressure Test (welds):	3000psi (20.7 MPa)

