

Kobold Target-Type Flow Sensor

- 1.5-8 to 225-500 GPM Water
- Bronze and Stainless Bodies
- Variety of Wetted Materials
- Line Sizes 3/8" to 3" NPT
- Compact LED display with switch and 4-20 mA flow transmitter

Standard Ranges (specify bronze or stainless body):

Fitting	GPM water
3/8" NPT	1.5-8 3-12.5
1/2" NPT	1.5-8 3-18
3/4" NPT	1.7-15 5-25
1" NPT	5-20 20-35
1 1/2" NPT	15-45 25-60
2" NPT	25-120 40-200
3" NPT	175-400 225-500



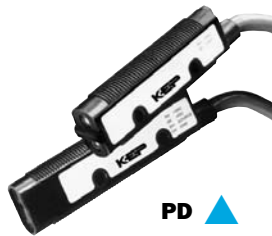
DPT-C ▲

SPECIFICATIONS

Flow Range, Liquids:	1.5-8 GPM through 225-500 GPM water
Accuracy:	±3% of full scale
Repeatability:	±1% of full scale
Straight Pipe Required:	Inlet: 10 X Diameter; Outlet: 5 X Diameter
Operating Temperature:	-10 to 176°F
Maximum Pressure:	580 PSIG @ 70°F
Wetted Materials:	
Bronze Versions:	Bronze, 316-Ti stainless steel, buna-N, ceramic
Stainless Versions:	316-Ti stainless steel, viton, ceramic
Programmable Functions:	Lockout code, switch logic, switch setpoint and hysteresis, dampening
Input Power:	24 VDC ±20%, 80 mA max.
Display:	3 digit LED
Switch Type:	PNP open collector
Switch Rating:	300 mA max., short circuit protected
Analog Output:	4-20 mA, 3-wire, R _L =500 ohms max.

KEP Photoelectric Sensors

- Non-contact sensing
- Small size, low cost
- Various sensing types
- Low power consumption
- Shock resistant
- Hole or bulkhead mounting



PD ▲

SPECIFICATIONS

Input Voltage:	10-30 VDC (above 55°C derate to 24 VDC at 70°C)
Power Dissipation:	1W max
Response Time:	1 ms max, dark-to-light or light-to-dark
Sensitivity:	20:1 adjustment
Power On Delay:	<300 ms
Output Transistors:	Sourcing: 100 mA max
Sinking:	250 mA max (>55°C, derate to 120 mA max at 70°C); Off-state voltage: 30 VDC max
Off-state leakage:	10 µA max
Operating Modes:	Output turns on when the beam is complete or output turns on when the beam is broken
Alignment Indicator:	LED intensity varies with signal strength
Operating temperature:	-20 to +70°C (-4 to +158°F), <95% RH, noncondensing
Case material:	Polyurethane case, polycarbonate lens
Ratings:	NEMA 4, 6, 13
Mounting:	18 mm x1 threaded hole, thru hole (nut included) or side mounting with #4 screws
Length:	Sensor: 3.1 inches; Cable: 6 feet
Approvals:	UL and CSA

ORDERING INFORMATION

Model	Type	Max Range
PDS25	Wide-Angle Thru-Beam Photo Source	25 ft
PDD25	Wide-Angle Thru-Beam Photo Detector	25 ft
PDP02	Visible Beam Sensi Detector, Diffused Proximity	2 inches
PDPS08	Short Range Photo Detector, Diffused Proximity	8 inches
PDR25	Visible Beam Photo Detector, Reflex	25 ft
PDR15	Polarized Visible Beam Photo Detector, Reflex	15 ft
PDF00	Fiber Optic Photo Detector	6 inches

Mounting brackets and target reflectors available separately.

Red Lion Photoelectric Sensors

- Retroreflective, proximity (diffuse) & opposed beam pairs
- Modulated LED light beam for immunity to ambient light
- 10-30VDC operation with reverse polarity protection
- LED signal strength indicator
- NEMA 1, 2, 3, 3S, 4, 4X, 12, 13



PRDC ▲

SPECIFICATIONS

Input Voltage:	10-30 VDC, 0% ripple max, Reverse polarity protected, 25 mA max. (Model EMDC = 20 mA max)
Outputs:	Current sinking NPN or current sourcing PNP transistors, open collector, short circuit protected to +30 VDC
Sinking:	150 mA max, Off-state voltage: 30 VDC max;
NPN VSAT	0.2 V @ 10 mA load; 1 V max. @ 150 mA max. load
PNP VSAT	<1 V @ 10 mA load; <2 V @ 150 mA max. load
Off-state Leakage:	1 µA max
Response Time:	Responds to light or dark signal duration ≥ 1 ms
Alignment Indicator:	LED intensity varies with signal strength
Operating Temperature:	-4 to +158°F (-20 to +70°C)
Case Material:	Valox housing
Ratings:	NEMA 1, 2, 3, 3S, 4, 4X, 12, 13
Dimensions:	1.21"H x 0.48"W x 1.5"D plus 0.6" thread length
Mounting:	18 mm x1 threaded hole, thru hole (nut included) or side mounting with #4 screws
Rear Panel:	Light/dark switch, gain adjustment, signal strength LED
Cable Length:	6 feet

ORDERING INFORMATION

RRDC0000	Retroreflective DC Photo-Electric Sensor
PRDC0000	Proximity (Diffuse) DC Photo-Electric Sensor
EMDC0000	DC Emitter (Opposed Beam Pair)
RCDC0000	DC Receiver (Opposed Beam Pair)
Accessories	
MB200000	Bottom Mount Bracket Kit
MB300000	Side Mount Bracket Kit
RT100000	1-1/2" Dia. Prismatic Reflector (Model RRDC)
RT200000	3" Dia. Prismatic Reflector (Model RRDC)