

LPI45B00 74CC OVAL 4-20mA IP67 Valve Position Indicator Datasheet



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Category: Process Sensors

Price: **\$900.00**

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Product Description

OVAL LPI45B00 74CC is a precision linkage position indicator featuring a 4-20 mA DC output, 24 VDC nominal supply voltage, and a 10 to 100 mm linear stroke range. The device is constructed with a die-cast aluminum alloy housing finished in melamine resin, providing an IP 67 ingress protection rating and Ex d IIB T4 explosion-proof certification. It operates via a 2-wire electrical configuration, converting mechanical displacement into a standardized current signal through a high-linearity internal potentiometer and transducer circuit. The mechanical interface consists of a robust linkage arm assembly designed for direct coupling to reciprocating or rotary shafts.

LPI45B00 74CC Specifications

Model: LPI45B00 74CC

Brand: OVAL Corporation

Category: Valve Position Indicator

Output Signal: 4-20 mA DC

Power Supply: 24 VDC

Wiring System: 2-wire

Ingress Protection: IP 67

Explosion Protection: Ex d IIB T4

Operating Temperature: -20 to +60 °C

Housing Material: Die-cast aluminum alloy

Finish: Melamine resin baked finish

Conduit Connection: G 1/2

Stroke Range: 10 to 100 mm

Accuracy: ± 1.0 % of full scale

Linearity: ± 1.0 %

Hysteresis: 0.5 % FS

Weight: 2.5 kg

LPI45B00 74CC Applications

Primary applications include integration into pneumatic diaphragm actuators, heavy-duty globe valve assemblies, and industrial damper control systems. Deployed within petrochemical refining units, thermal power plant boiler feed lines, and large-scale water treatment facility flow control skids for continuous valve position feedback.

Supplemental Images

