

FEATURES

- EASY INSTALLATION
- MOST FAVORITE DESIGN
- THE MORE ACCURATE MEASUREMENT POSSIBLE WITH SOUND VELOCITY SETTING
- VARIOUS APPLICATIONS POSSIBLE BY SELECTING TRANSMITTING POWER
- DISPLAY IN DISTANCE, LEVEL, OR SPACE CAN BE CHOSEN AT USER'S NEED

The 590A/B Series is a highly developed ultrasonic level measurement system, which provides in non-contacting level measurement for a wide variety of applications in liquid and solids.

Easy calibration and maintenance free "fit and forget" performance mean that you can install the 590A/B Series rapidly and with confidence. Two switched outputs NPN open collector, with fully programmable set points are provided in the 3 wire version, together with fault condition being indicated by the mA output on both the 2 and 3 wire versions.

The 590A/B Series operates on the principle of timing the echo received from a measured pulse of sound transmitted in air and utilize "state of the art" echo extraction technology.

SPECIFICATIONS

■ PHYSICAL

Dimension	Overall 105(D)×250(H) mm Transducer 55(D)×76.5(H) mm Mounting 2"NPT
Weight	Nominal 1.5 kg
Case Material	Polypropylene
Cable Entry	PG11 at rear (Fitted with gland)

■ ENVIRONMENTAL

Housing Rating	IP65
Temperature	-20°C~70°C
Pressure	Up to 2 Bar
	CE

■ CERTIFICATION

■ PERFORMANCE

Accuracy	0.25% of measured range or 3mm
Resolution	0.3% of full scale or 1 mm
Measuring Range	0.30m~6m
Beam Angle	8° at -3dB
Damping Rate	Adjustable 0.1m/min to 10m/min
Temp. Compensation	Fully compensated

■ OUTPUT

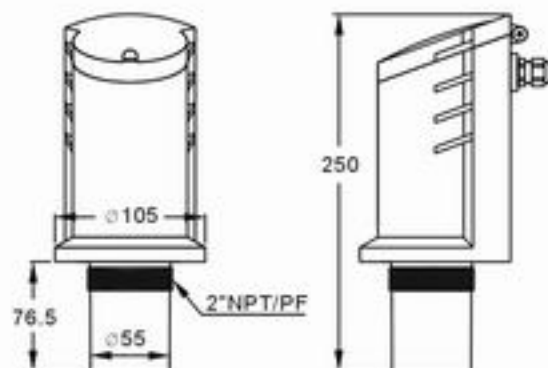
Analog Output	4~20mA into max.600Ω
Display	3 Digit LCD display

■ SUPPLY

Power Supply	DC20~30V
Current Consumption	Less than 0.08A



DIMENSIONS (mm)



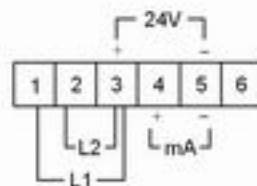
WIRING CONNECTION

■ 590A (2 WIRE)



- 1) Direct Current (DC) input terminal (20-30VDC)
- 2) Current Output terminal (4-20mA)

■ 590B (3 WIRE)



- 1) Limit 1 Switched Output terminal (NPN OPEN Collector)
- 2) Limit 2 Switched Output terminal (NPN Open Collector)
- 3) Current Output terminal (4-20mA)
- 4) Direct Current (DC) input terminal (20-30VDC)
- 5) DC COMMON input terminal, and also used as RETURN terminal for all OUTPUTS
- 6) Only use during maintenance