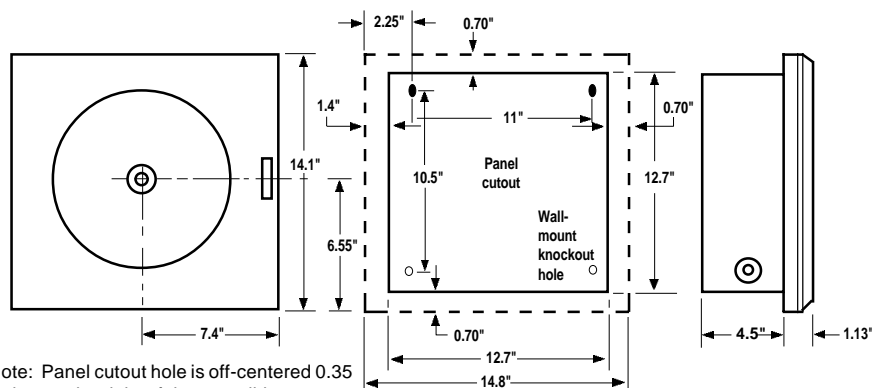




MODEL IN-42
INDICATOR TOTALIZER RECORDER
SOLID STATE CONSTRUCTION
10" CIRCULAR CHART
CURRENT INPUT SIGNAL



Note: Panel cutout hole is off-centered 0.35 inches to the right of the overall instrument outline. Measure cutout spacing and panel layout carefully.



DESCRIPTION

MODEL IN-42 INDICATOR-TOTALIZER-RECORDERS provide instantaneous flow rate indication, a totalization of flow volume and a record of flow data from Water Specialties current output transmitters. The reliability of the printed circuit cards and solid state components utilized in construction provide continued accurate and dependable operation of the instrument.

OPERATION. Electronic circuitry within the transmitter furnishes a 4-20 MADC current signal proportional to the rate of flow through the measuring unit. The current input signal drives the recorder mechanism. Internal power supply is furnished to provide power to transmitter.

INSTALLATION of the case can be made through the front of an instrument panel or to any flat surface. Two mounting brackets hold the unit securely in place in either installation. For the best operation of the system the signal line should be of an armored cable and the power and signal lines to the instrument should be placed in separate conduits to prevent extraneous voltages from interfering with the signal.

CASE is impact resistant thermoplastic conforming to NEMA 3 requirement with a pressure latched, gasketed door with viewing window that seals the instrument from dust and moisture.

INDICATOR is digital LED, and may be configured to read in gallons per minute, cubic feet per second or any liquid measuring units. The indicator measuring units must match the totalizer units.

TOTALIZER is digital LED, and may be configured to read in gallons, cubic feet or any liquid measuring units. The totalizer measuring units must match the indicator units.

CHART DRIVE may be configured so one chart rotation is equal to one hour, 24 hours, 7 days, 31 days or any time between. Chart rotation is specified when ordering an set at the factory.

CHART is standard 10" circular chart, printed on special paper surface to accept ink without feathering and are highly stable over wide humidity ranges. Charts are available in 24 hour and 7 day time lines only.

WATER SPECIALTIES CORPORATION
 PORTERVILLE, CALIFORNIA 93257-5311 U.S.A.
 PHONE: 559-784-3544 • USA FAX: 800-800-8804
 INTERNATIONAL FAX: 559-784-1787
 VISIT OUR WEBSITE: www.waterspecialties.com

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SPECIFICATIONS

ACCURACY	±1.0% of span
TEMPERATURE RANGE	40° F minimum to 110° F maximum
HUMIDITY	5-95% RH, non-condensing @ 40° - 110° F
POWER SUPPLY	115 VAC ±5%, 60 HZ, 1 phase Note: Max. current consumption of instrument is 160 ma
REPEATABILITY	.5% of full scale
INPUT SIGNAL	4-20 MADC; 20 MADC at maximum indicator scale.
24V POWER	for transmitter built in.
SHIPPING WEIGHT	41 lbs.
OPTIONAL EQUIPMENT	is available upon request and includes: instrument surge protector, Model IN-30 On/off switch within case high and low adjustable alarm contacts within case thermostatically controlled heater within the case
ORDERING INFO	Must be specified by the customer and includes: indicator scale and units totalizer units chart speed desired optional equipment desired

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