



MODEL 4020™ DIGITAL DRUM AND CYLINDER SCALE

- Solid - state operation by strain gauge transducer
- Electronics housed in NEMA 4x, UL approved enclosure to provide protection from acids
- Low profile platform design increases safety and ease of cylinder and drum handling
- Standard readability to 1 lb. (kg), 0.1 lb. (kg)
- High accuracy of $\pm 0.5\%$ of capacity
- Readout in pounds or kilograms
- Corrosion resistant, solid PVC base construction
- Measures weight of chemicals such as fluoride, sodium hypochlorite, sodium hydroxide, sodium bisulfate, polymer, ammonia, phosphate, alum, caustic, sodium aluminate or other liquids or powders
- Self-locking knob for adjusting tare weight
- Output 4-20 mA output signal for permanent recording or transmitting
- The 4½ digit indicator also has 0-20 mA and -8 to +12 mA outputs standard. All three outputs are selectable as scale powered or loop powered
- 2 Low level relay contact closures standard on 4½ digit indicator
- Model 1099™ Chemical Process Controller as optional indicator to create the Total Electronic SystemSM
- Patented



The Model 4020™ Drum Scale is specially designed for weighing corrosive materials. The drum can be placed anywhere on the platform and still be weighed accurately. The low profile (1.5") provides added safety and ease of drum handling. Loading and unloading drums can be accomplished by rolling and tilting onto the scale or by using a hand truck. The 12" diameter scale can be used to weigh liquified chlorine, sulfur dioxide, ammonia, hydrogen chloride, or carbon dioxide packaged in carboys. The 16" diameter scale can also be used to weigh ammonia cylinders as well as drums and daytanks. The base is solid PVC with a dry powder polyester plastic coated steel plate under the disk on the 16" and 19" scales. All hardware is stainless steel.

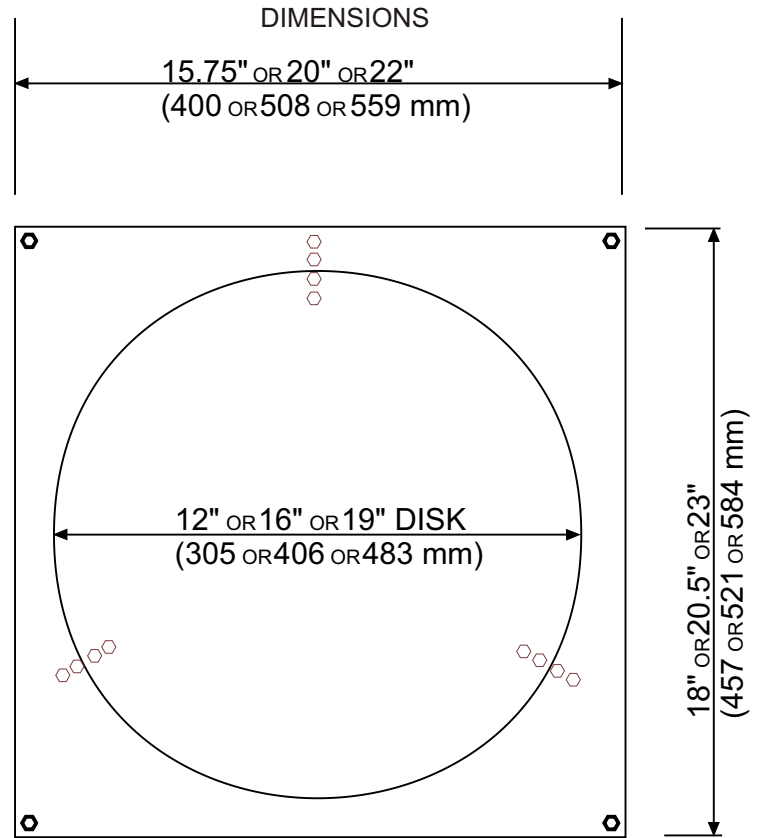
Three indicators are available for this scale; all are mounted in NEMA 4x, UL approved enclosures. The

standard indicator is a 3½ digit liquid crystal display, LCD, with 4-20mA output. This display can read up to 199.9 lbs. or kgs. When substance to be weighed is between 200 and 1000 lbs., this indicator is calibrated to display in 1 lb. (or kg.) increments. The optional indicator with 4½ digit LED display can display 1000.0 lbs. by one tenth of a pound increments. It has both active and passive 4-20 mA output. There are two adjustable low level set points. The Model 1099™ Chemical Process Controller is also available on this base, which allows the user to combine different bases to create a customized Total Electronic SystemSM. Please contact the factory for literature on the Model 1099™ Chemical Process Controller.

All of our indicators can be calibrated in pounds or kilograms.

MODEL 4020™ GENERAL SPECIFICATIONS

INDICATOR:	3-1/2 Digit	4-1/2 Digit	Model 1099™C.P.C.
POWER:	120 VAC, 50/60 Hz, 0.3 A 240 VAC, 50/60 Hz, .15 A		85 VAC to 265 VAC
PLATFORM HEIGHT:	1 1/2 inch high (38.1 mm)		
ACCURACY:	0.5% of full capacity		
GROSS CAPACITY:	12 in. disk = 300 lb (136 kg) 16 in. disk = 600 lb (272 kg) 19 in. disk = 800 lb (340 kg)		
RESOLUTION:	.1 up to 199.9 1.0 over 200	0.1 or 1.0 to scale capacity	0.1 or 1.0 to scale capacity
4-20 mA:	Standard	Standard	Standard on Channel 1 (available option for Channels 2 through 4)
LEVEL INDICATING/ RELAY CONTACTS:	Optional	(2) Standard	Optional - Up to 4 (as High, Low, or Control) On one channel, or more than one per channel for a total of 4 set points with relay contact
ENCLOSURE:	NEMA 4x, UL Approved enclosure		
SHIPPING WT.:			
FREIGHT	12 inch = 22 lb 16 inch = 54 lb 19 inch = 58 lb		
PLATFORM SIZE:	12 in. disk = 15 - 3/4 in. x 18 in. 16 in. disk = 20 in. x 20-1/2 in. 19 in. disk = 22 in. x 23 in.		



STANDARD EQUIPMENT

- Scale platform
- Electronic indicator in NEMA 4x, UL approved enclosure
- NTEP stainless steel temperature compensated strain gauge transducers
- Self-locking tare adjustment knob
- 4-20 mA output
- 20 ft. of 4 conductor wire cable

OPTIONS

- 240 VAC power
- 4½ digit display with active and passive 4-20 mA, 0-20 mA and -8 to +12 mA, and 2 adjustable low level contacts
- Additional length of 4 conductor wire cable
- Model 1099™ Chemical Process Controller

TYPICAL SPECIFICATIONS

The Drum/Cylinder Scale must be solid PVC and have all stainless steel hardware to prevent corrosion. There must be a provision for securing weigh frame to floor. The profile shall not exceed 1.5 inches (38mm) so as not to require a pit or ramp. No scale leveling is required. The load cells must be stainless steel and sealed against corrosive chemicals. Drums and cylinders can be placed anywhere on platform and weigh accurately. Base must be fully electronic with no mechanical lever system to corrode.

Scale shall be a Model 4020™ as manufactured by Scaleton Industries Ltd., Plumsteadville, PA.

5 year FULL warranty on ALL products.

*Patented

Design improvements may be made without notice.