

FOR CHEMICAL DRUMS AND CARBOYS

- + SAFELY TRACK CHEMICAL USAGE AND TANK LEVELS
- + WARN OF DANGEROUS UNDER AND OVERFEED CONDITIONS
- + PREVENT SYSTEM FROM RUNNING EMPTY
- + 4-20MA REMOTE MONITORING REDUCES OPERATOR EXPOSURE TO CHEMICALS

- FLUORIDE
- PERMANGANATE
- SODIUM HYPOCHLORITE
- SODIUM BISULPHITE
- POLYMER
- SODIUM HYDROXIDE
- CAUSTIC
- ALUM



STRICT FEDERAL AND STATE REPORTING REQUIREMENTS HAVE CREATED A NEED FOR MUNICIPAL PLANT OPERATORS TO EASILY AND ACCURATELY TRACK CHEMICAL FEED RATES AND USAGES IN WATER AND WASTEWATER TREATMENT PLANTS. ALSO, BY KNOWING EXACTLY HOW MUCH CHEMICAL REMAINS, PLANT OPERATORS CAN BE ASSURED THAT THE DRUM WILL NOT RUN EMPTY DURING THEIR ABSENCE.

OUR LOW-PROFILE CORROSION RESISTANT PLATFORM ALLOWS OPERATORS TO LOAD AND UNLOAD DRUM PACKAGED CHEMICALS SAFELY AND EASILY. USING THE DRUMM-SCALE FOR YOUR INVENTORY MANAGEMENT RESULTS IN AN INEXPENSIVE, NON-CONTACTING, HIGHLY RELIABLE METHOD OF MEASURING LEVEL. MONITORING BY WEIGHT IS INHERENTLY MORE ACCURATE THAN OTHER LEVEL TECHNOLOGIES SINCE WEIGHT IS NOT ADVERSELY AFFECTED BY VESSEL SHAPE, TEMPERATURE OF CORROSIVE CHARACTERISTICS OF THE CHEMICAL. THE DRUMM-SCALE IS EASILY INSTALLED BY REGULAR PLANT PERSONNEL, AND WITH OUR FULL 5-YEAR WARRANTY, REQUIRES VIRTUALLY NO MAINTENANCE.



THE WIZARD 4000® WEIGHT INDICATOR SIMULTANEOUSLY MONITORS REMAINING CHEMICALS, FEED RATES AND USAGES ON UP TO 4 SEPARATE DRUMM-SCALES®.



ELECTRONIC DRUMM-SCALE™

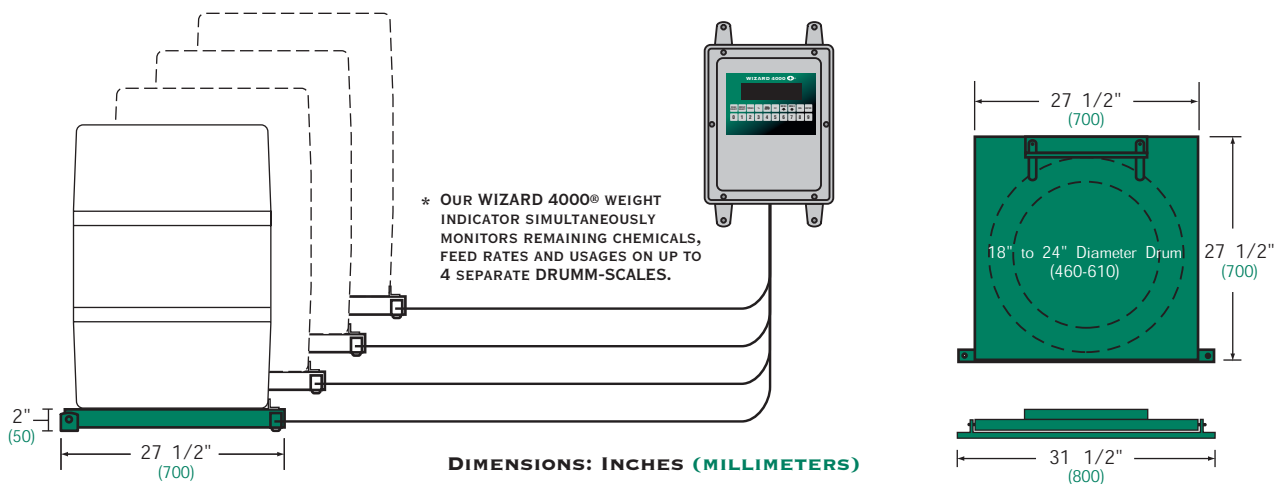
MODELS AND ORDERING INFORMATION

STANDARD MODELS ARE SIZED TO ACCEPT DRUMS OR CARBOYS WITH 18"-24" DIAMETERS (APPROXIMATELY 30 TO 55 GALLON DRUMS). SCALES COME COMPLETE WITH PLATFORM AND 20' LOAD CELL CABLE. FOR CABLE LENGTHS OVER 20', HOLD DOWN STRAPS, VOLUMETRIC FEEDER OR LIQUID LEVEL CONTROL APPLICATIONS, PLEASE CONSULT FACTORY. WIZARD 4000 INDICATORS ARE SOLD SEPARATELY AND CAN BE USED WITH UP TO 4 SEPARATE DRUMM-SCALES.

DESCRIPTION	MODEL NUMBERS			
EPOXY POWDER COATED	27 - DR4DS	27 - DR6DS	27 - DR8DS	27 - DR10DS
STAINLESS STEEL	27 - DR4DSS	27 - DR6DSS	27 - DR8DSS	27 - DR10DSS
CAPACITY:	0 - 400 LBS.	0 - 600 LBS.	0 - 800 LBS.	0 - 1,000 LBS.
DRUM SIZE:	18" - 24" (460 - 610)	18" - 24" (460 - 610)	18" - 24" (460 - 610)	18" - 24" (460 - 610)
PLATFORM SIZE:	27 1/2" x 27 1/2" (700 - 700)	27 1/2" x 27 1/2" (700 - 700)	27 1/2" x 27 1/2" (700 - 700)	27 1/2" x 27 1/2" (700 - 700)
WEIGHT:	90 LBS.	90 LBS.	90 LBS.	90 LBS.
¥ FULL SCALE ACCURACY:	1/4 OF 1%	1/4 OF 1%	1/4 OF 1%	1/4 OF 1%
† MINIMUM INCREMENTS:	0.1 LBS.	0.1 LBS.	0.2 LBS.	0.5 LBS.

¥ FOR 1/10 % ACCURACY, CONSULT FACTORY † FOR SMALLER INCREMENTS, CONSULT FACTORY

SPECIFYING GUIDELINES: A) SIZE SCALE CAPACITY TO MATCH GROSS WEIGHT (CHEMICAL & TANK TARE WEIGHT). B) TANK DIAMETER SHOULD NOT EXCEED 24". C) SUPPLY CONNECTIONS MUST BE FLEXIBLE & PREFERABLY CONNECTED AT PIVOT END OF PLATFORM.



DIMENSIONS: INCHES (MILLIMETERS)

TYPICAL SPECIFICATION FOR ELECTRONIC DRUM SCALES

A QUANTITY OF _____ DRUM SCALES OF _____ LBS. CAPACITY SHALL BE PROVIDED AND SHALL BE OF THE DIGITAL READOUT/ELECTRONIC LOAD CELL TYPE. SCALE PLATFORM SHALL BE SIZED TO ACCEPT AN 18"-24" DIAMETER DRUM. PLATFORM HEIGHT SHALL BE NO MORE THAN 2" TO PERMIT EASY LOADING AND UNLOADING OF DRUMS. PLATFORM SHALL BE _____ (EPOXY POWDER COATED OR 316 STAINLESS) STEEL.

SCALE SHALL BE OF THE SINGLE LOAD CELL DESIGN. WEIGHT SHALL BE TRANSFERRED VIA A PIVOTED PLATFORM TO A SINGLE LOAD CELL OF THE SHEAR BEAM STRAIN GAUGE TYPE. FLEXIBLE CABLE SHALL CONNECT LOAD CELL TO INDICATOR TO ALLOW EASY REMOTE INSTALLATION OF THE READOUT. CABLE LENGTH SHALL BE _____ (20' STANDARD).

INDICATOR SHALL CARRY CE MARKING AND SHALL BE HOUSED IN A NEMA 4X, UL APPROVED ENCLOSURE. INDICATOR SHALL INDEPENDENTLY MONITOR _____ (UP TO 4) SCALES. DIGITAL DISPLAY SHALL BE A 2 LINE, 16 CHARACTERS PER LINE, BACKLIT ALPHANUMERIC LCD TYPE. INDICATOR SHALL BE EQUIPPED WITH A 10-KEY NUMERIC PAD WITH TACTILE FEEDBACK FOR EASY INPUT OF TARE AND LEVEL ALARM VALUES.

ALL INDICATOR OPERATIONS SHALL BE MENU PROMPTED FOR EASE OF OPERATION. OPERATOR SHALL BE ABLE TO MONITOR CHEMICAL BY WEIGHT, VOLUME OR PERCENT FULL. AN AUTO LOAD FUNCTION SHALL AUTOMATICALLY COMPENSATE FOR TANK TARE WEIGHT DURING TANK CHANGE. EACH CHANNEL SHALL HAVE A USER SELECTABLE, TWO DIGIT SCALE ID NUMBER AND SHALL DISPLAY NET REMAINING, FEED RATE, DAILY USAGE, TOTAL AMOUNT USED, DAYS UNTIL EMPTY, GROSS WEIGHT, AND TARE WEIGHT. A DATA LOG FUNCTION SHALL STORE THE DAILY USAGE FOR EACH OF THE PREVIOUS 10 DAYS.

FULL-SCALE ACCURACY SHALL BE BETTER THAN 1/4 OF 1%. SCALE SHALL BE MODEL No. 27 - DR _____ AND DIGITAL DISPLAY SHALL BE WIZARD 4000 ELECTRONIC INDICATOR MANUFACTURED BY FORCE FLOW / FLOQUIP,

OPTIONAL FEATURES

EACH CHANNEL (SCALE) SHALL HAVE AN INDEPENDENT ADJUSTABLE 4-20MA OUTPUT SIGNAL (NET WEIGHT OR FEED RATE).

EACH WIZARD 4000 SHALL HAVE _____ (UP TO 4) LOW-LEVEL ALARM RELAY(S) WITH MENU ADJUSTABLE SETPOINTS.

A REPORT PRINTING FUNCTION SHALL AUTOMATICALLY SEND DATA TO A REMOTE PRINTER VIA AN RS232 OR RS485 PORT.



THE ELECTRONIC DRUMM-SCALE CAN ALSO BE USED WITH OUR SINGLE OR DUAL CHANNEL SOLO® 1000 DIGITAL INDICATOR. FOR MORE INFORMATION ON THE SOLO 1000, PLEASE SEE BULLETIN 513.

FOR MORE INFORMATION ON THE WIZARD 4000, SEE BULLETIN 400.

ALL SPECIFICATIONS ARE AVAILABLE IN ELECTRONIC FORMAT UPON REQUEST.

