

C H E M I C A L

M O N I T O R I N G

S Y S T E M S

P R O D U C T & A P P L I C A T I O N G U I D E

LEVEL

USAGE

FEED  
RATE

**FORCE FLOW**  
FLOQUIP



## INDICATORS



**WIZARD 4000® ELECTRONIC INDICATOR**

POWERFUL SOFTWARE ALLOWS YOU TO MONITOR USAGES, FEED RATES AND REMAINING CHEMICALS ON UP TO 4 SEPARATE TANKS. LEVEL ALARMS AND REMOTE OUTPUTS ARE ALSO AVAILABLE.



**SOLO® 1000 ELECTRONIC INDICATOR**

ECONOMICAL AND SIMPLE TO OPERATE, THIS INDICATOR FEATURES A SIMPLE TARE ADJUST KNOB, HIGH RESOLUTION DIGITAL DISPLAY AND A STANDARD 4-20 MA OUTPUT. SINGLE OR DUAL CHANNEL.

**DOCUMENT YOUR  
CHEMICAL INVENTORY  
AND USAGE  
SATISFY GOVERNMENT  
RECORD KEEPING  
REQUIREMENTS**



**WARN OF DANGEROUS  
HIGH FEED, LOW  
FEED AND NO FEED  
CONDITIONS  
REDUCE OPERATOR  
EXPOSURE TO  
CHEMICALS WITH  
REMOTE MONITORING**



**NEVER RUN OUT OF  
CHEMICAL AGAIN  
ACCURATELY ANTICIPATE  
CHEMICAL RE-ORDER  
POINTS**

## APPLICATIONS



### **VOLUMETRIC FEEDER SCALE**

PROVIDES LOSS-IN-WEIGHT MEASUREMENT WHEN FEEDING DRY CHEMICALS, SUCH AS POTASSIUM PERMANGANATE, POWDER ACTIVATED CARBON, DRY POLYMER, DRY FLUORIDE, CALCIUM HYPOCHLORITE AND BISULFITE.

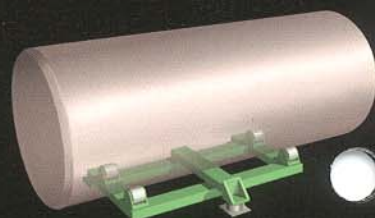
BULLETIN 405



### **CHLOR-SCALE® 150**

OFFERS AN EASY AND ACCURATE WAY TO MONITOR CHLORINE, SO<sub>2</sub>, AND AMMONIA CYLINDERS.

BULLETINS  
204, 207, 514

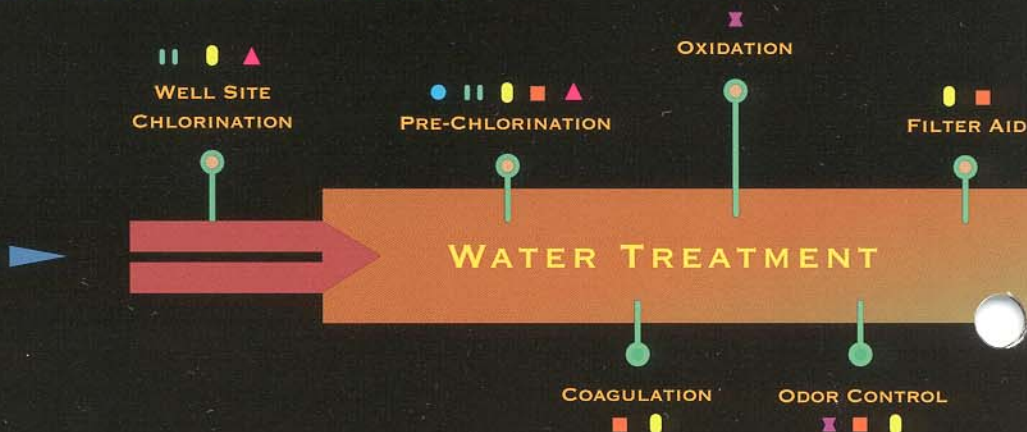


### **CHLOR-SCALE®**

SAFE AND RELIABLE WEIGHING SYSTEMS FOR TON CONTAINERS OF CHLORINE AND SO<sub>2</sub>. MODELS FOR UP TO 6 CONTAINERS.

BULLETINS  
202, 203, 401, 402

## INSTALLATIONS & LOCATIONS





## USAGE

## FEED RATE



### SOLO® XT Digital Indicator

WHEN LINE VOLTAGE IS UNAVAILABLE, CROSS TECHNOLOGY™ BLENDS THE RUGGED HYDRAULIC LOAD CELL WITH AN EASY TO USE BATTERY OR LOOP POWERED DIGITAL INDICATOR.



### CENTURY® Hydraulic Dial Indicator

BECAUSE IT IS HYDRAULIC, THE CENTURY IS IMMUNE TO EMI/RFI, LIGHTNING STRIKES AND POWER FAILURES. IT IS ALSO SIMPLE TO INSTALL, OPERATE AND MAINTAIN.



### SATELLITE® 4-20 MA TRANSMITTER

SENDS DATA DIRECTLY TO YOUR COMPUTER. IDEAL WHEN LOCAL INDICATION IS NOT REQUIRED OR CAN BE USED IN COMBINATION WITH CENTURY DIAL INDICATORS.



### DRUM-SCALE™ & CARBOY-SCALE™

LOW PROFILE PLATFORM ALLOWS EASY LOADING OF 5 TO 55 GALLON DRUMS. USE WITH HYPOCHLORITE, FLUORIDE, POLYMER AND PHOSPHATE DRUMS.

BULLETINS  
205, 403, 514, 512



### CHEM-SCALE™ & TOTE BIN SCALE

HEAVY-DUTY PLATFORM DESIGN SAFELY SUPPORTS AND RESTRAINS TANKS. OFTEN USED FOR SODIUM HYPOCHLORITE, FLUORIDE, CAUSTIC, ALUM AND POLYMER.

BULLETINS  
206, 404



### POWERCELL™ LOAD SENSORS

MONITOR BULK STORAGE TANKS, HOPPERS AND SILOS. APPLICATIONS INCLUDE CHLORINE, SULFUR DIOXIDE, AMMONIA, LIME AND CARBON.

BULLETINS  
207, 406



### ULTRASONIC ECHO-SCALE™

PROVIDES CHEMICAL MONITORING ON LARGE TANKS THAT DON'T FIT ON A SCALE PLATFORM. USE STAND-ALONE OR COMBINE WITH OUR WIZARD® OR SOLO® INDICATORS.

BULLETIN 510

FLUORIDATION

CORROSION  
CONTROL

SOFTENING

RESIDUAL  
EXTENSION

DECHLORINATION

PRIMARY  
CHLORINATION

ALTERNATIVE  
CHLORINATION

POST  
CHLORINATION



TREATED WATER

**FORCE FLOW**  
FLOQUIP





## COMMITTED TO CUSTOMER SERVICE AND PRODUCT SUPPORT

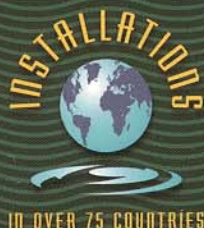
FROM THE INITIAL WRITING OF A SPECIFICATION THROUGH THE INSTALLATION AND OPERATION OF THE EQUIPMENT, 100% SATISFACTION IS OUR GOAL. AT FORCE FLOW / FLOQUIP, WE KNOW THAT A SUPERIOR CUSTOMER SERVICE AND SUPPORT TEAM IS CRUCIAL TO THE SUCCESS OF OUR COMPANY.

## SERVICE

OUR POLICY IS TO GET ALL REPAIRS, WARRANTY WORK AND RETROFITS COMPLETED AND SHIPPED WITHIN 48 HOURS OF THEIR ARRIVAL AT THE FACTORY. TRAINED TECHNICIANS AND A LARGE PARTS INVENTORY MAKE THIS HAPPEN. WE UNDERSTAND THAT THERE IS NOTHING MORE FRUSTRATING THAN SENDING SOMETHING BACK TO THE MANUFACTURER AND WONDERING WHEN YOU WILL SEE IT AGAIN. TWO DAY TURNAROUND--THAT IS OUR POLICY! FOR PROMPT SERVICE, CALL OUR TOLL FREE HELP HOTLINE AT (800) 893-6723.

## TECHNICAL & APPLICATION SUPPORT

FORCE FLOW / FLOQUIP FACTORY ENGINEERS HAVE STRONG TECHNICAL BACKGROUNDS WITH MANY YEARS OF PROCESS WEIGHING EXPERIENCE IN BOTH CHLORINE AND CHEMICAL FEED APPLICATIONS. IF YOU REQUIRE TECHNICAL INFORMATION, APPLICATION SUPPORT OR HELP WITH A CUSTOM PROJECT, PLEASE CONTACT AN APPLICATION ENGINEER ON OUR HELP HOTLINE (800) 893-6723.



## SYSTEM

## COMPATIBILITY

## GUIDE



CHLOR-SCALE FOR TON CONTAINERS

CAPACITIES FOR UP TO

6 TANKS



CHLOR-SCALE FOR CYLINDERS

2 CYLINDERS



CHEM-SCALE & TOTE BIN SCALE

20,000 LBS.



DRUMM-SCALE

1000 LBS.



CARBOY SCALE

600 LBS.



POWERCELLS

100,000 LBS.



ECHO-SCALE

20 FT.



FEEDER SCALE

3,000 LBS.



O P T I O N S	CHANNELS	UP TO 4	1 OR 2	1	1	1
	WIZARD 4000	SOLO 1000	SOLO XT	CENTURY	SATELLITE	
	4-20 MA OUTPUTS	UP TO 4	S	O	O	S
	LEVEL ALARM SETPOINTS	UP TO 4	O	O	O	O

S = STANDARD O = OPTIONAL

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OVER 30 YEARS OF EXPERIENCE