STEADYVIEW™ WALL MOUNT Tension Indicator

The SteadyView™ Wall Mount microprocessor-based tension indicator contains a wide range of features in a small, durable, easy-to-use package. Designed for easy connection to Dover Flexo Electronics tension transducers and Tension Roll® transducers. An innovative combination of analog and digital circuitry allows the microprocessor to measure web tensions up to 5000 lbs. (22250 N), even when heavy idler rolls are used.

The SteadyView™ can be configured to display tension in the user's choice of measurement units. Along with the actual tension, the appropriate units are shown directly on the display, to eliminate operator confusion when different measurement units are required.

The push-button setup and calibration procedure is simple with the display prompting the user in English (or German, Spanish, Italian, or French) at each step of the way. SteadyView™ stores the set-up and calibration settings in power-independent EEPROM.

A digital display provides a wide viewing angle and excellent readability under all viewing conditions. Four system status LEDs tell the operator which mode the unit is in.

The unit is designed for wall or machine mounting.

FEATURES

- **0-10Vdc, 0-20Ma, 4-20mA** Tension Outputs, switch selectable.
- **Digital Display**. Backlit LCD with 2 line, 16 character display.
- **LED Status Lights** - shows what functions are in use.
- **Tension Limit Switch** - activates a preset adjustable trip point. Protects machinery from excessive tension and can detect web breaks.
- **RS232D** serial computer interface allows communication with computers for data collection.
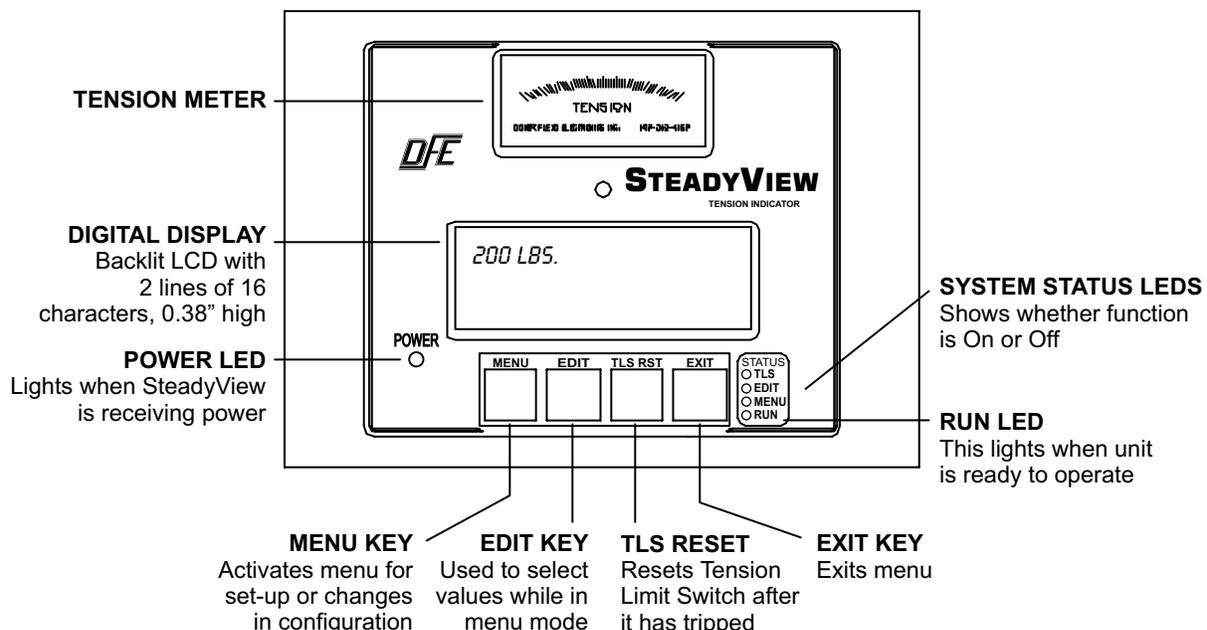
BENEFITS

- Provides continuous tension readout of actual web tension.
- Simple well-defined interface with DFE controllers or supervisory control computers.
- Simple installation and use.
- Versatile, can switch between English and metric units without re-calibration.
- Helps reduce waste and increase productivity.
- Minimizes web breaks and machine downtime.

OPTIONS

- **230V (230)** 50Hz AC power input.
- **20mA (020, 420)** Outputs for both standard and non-standard ranges.
- **Blank Meter Scale (BMS)**. No numbers on analog tension meter scale, only scale divisions.
- **German, French, Italian** or **Spanish (GE, FR, IT, SP)** Menu selectable languages available.

- **Serial Computer Data Interface RS422, or RS485 (RS42, RS48).** Multiple baud rates, communication settings, and data output formats allow setup and control by host computer
- **Extended Range (XRE)** Allows measurement of much lower tensions. Transducers must have XR option.

FRONT PANEL

TENSION METER

DIGITAL DISPLAY
Backlit LCD with
2 lines of 16
characters, 0.38" high

POWER LED
Lights when SteadyView
is receiving power

SYSTEM STATUS LEDS
Shows whether function
is On or Off

RUN LED
This lights when unit
is ready to operate

MENU KEY
Activates menu for
set-up or changes
in configuration

EDIT KEY
Used to select
values while in
menu mode

TLS RESET
Resets Tension
Limit Switch after
it has tripped

EXIT KEY
Exits menu

SPECIFICATIONS

Input Voltage:
115 or 230Vac (switch selectable), 50/60 Hz, 1 Amp

Tension Output Signal:
0 to 10Vdc, 0 to 20mA, 4 to 20mA (Switch selectable)

Transducer Excitation:
+5Vdc (+10 Vdc with extended range) switch selectable

Transducer Input Signal Range:
0 to 500mVdc per pair at rated load (1000 mVdc with XR)

Mating Transducer Cable Connector:
MS3106A-10SL-3S

Serial Interface Connector:
9 pin D-SUB Male Connector

Pin Assignments:	Pin No.	Signal
	1	+ R x D*
	2	− R x D
	3	~ T x D
	4	+ T x D*
	5	GND

* used only for RS485

Note: RS232 uses pins 2, 3, & 5 and requires use of a null-modem adapter or cable.

Zero Range:
Up to 95% of transducer rating

Storage Temperature Range:
0°F to 125°F (-17°C to 52°C)

Operating Temperature Range:
32°F to 100°F (0°C to 38°C)

Weight:
6.5 lbs. (1.36 kg)

Standard Tension Meter Scales:
0 - 1, 5, 10, 25, 50, 100, 150, 250, 500, 1000

ORDERING INFORMATION

You may order the SteadyView™ Wall Mount Tension Indicator by description or by specifying the code below by matching each labeled digit with your choice.
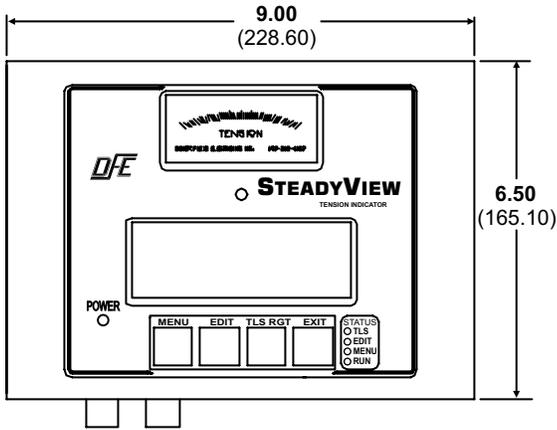
***Examples:* SVW - 100 - XRE,GE,230,**

SVW - XX - OPTIONS (Separated by commas)

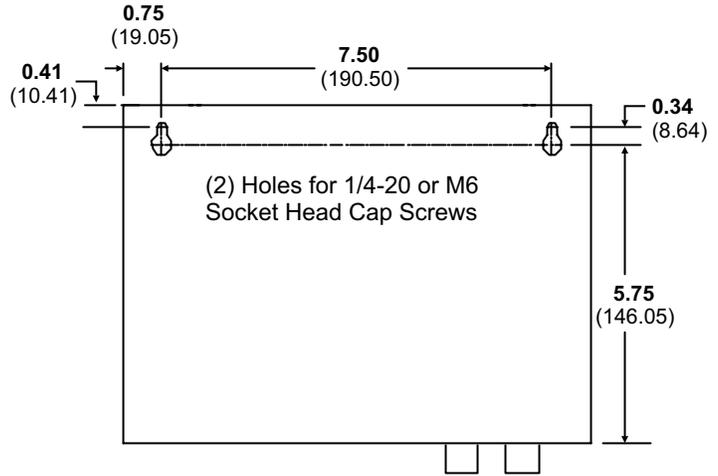| METER SCALE	OPTIONS
1 = 0-1 5 = 0-5 10 = 0-10 25 = 0-25 50 = 0-50 100 = 0-100 150 = 0-150 250 = 0-250 500 = 0-500 1000 = 0-1000	020 = 20mA output (non-standard) 230 = 230 Volt Power Input 420 = 20mA output (standard) BMS = Blank Meter Scale FR = Pre-set French Language Menu GE = Pre-set German Language Menu IT = Pre-set Italian Language Menu NMS = Non-Standard Meter Scale RS42 = RS422 Serial Port RS48 = RS485 Serial Port SP = Pre-set Spanish Language Menu XRE = Extended Range [1] Z = Special (SPR)

1. Transducers must have XR option also.
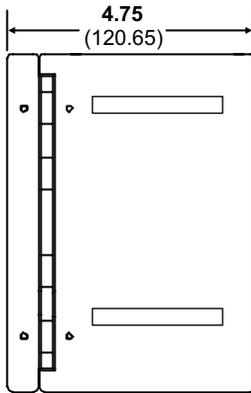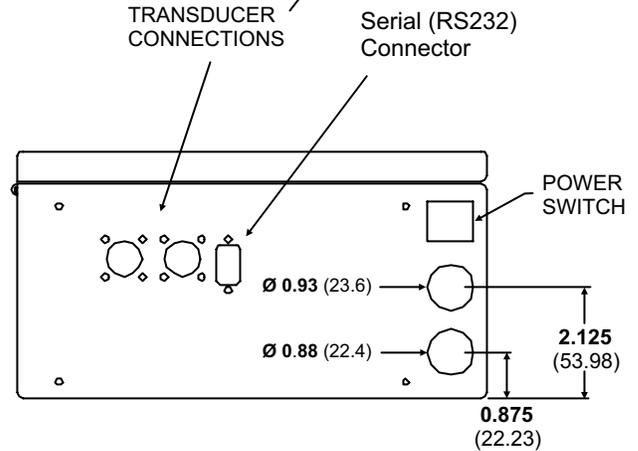
DIMENSIONS inches (mm)

FRONT

9.00
(228.60)

STEADYVIEW
TENSION INDICATOR

DFE

POWER

MENU EDIT TLS RGT EXIT

STATUS
TLS
EDIT
MENU
RUN

6.50
(165.10)

REAR

0.75
(19.05)

0.41
(10.41)

7.50
(190.50)

0.34
(8.64)

(2) Holes for 1/4-20 or M6
Socket Head Cap Screws

5.75
(146.05)

SIDE

4.75
(120.65)

BOTTOM

TRANSDUCER
CONNECTIONS

Serial (RS232)
Connector

POWER
SWITCH

Ø 0.93 (23.6)

Ø 0.88 (22.4)

2.125
(53.98)

0.875
(22.23)

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