# VLS9000

## Velocity Limiting System For PT9000 Series Models

**Prevents cable from ever reaching damaging velocity during a free-release.**

**Ideal for applications requiring frequent connecting and disconnecting.**

**Provides safer operation.**



Our patented Velocity Limiting System (VLS) is an option available for our PT9101, PT9150, PT9420, PT9510 cable extension transducers to limit cable retraction speeds to a safe 40 to 55 inches per second for standard single spring options and 40 to 80 inches per second for higher dual spring tension.

The VLS option prevents the measuring cable from ever reaching a damaging velocity during an accidental free release. This option is ideal for applications that require frequent cable disconnection and reconnection. It prevents expensive unscheduled downtime due to accidental cable mishandling or attachment failure.

The guides below define the PT9000 datasheets which support VLS as a Standard Option with quick delivery. Please contact us for availability of datasheets or options not shown.

***Ordering Guide:*** *A VLS model number is configured just like a standard PT9000 model except the "PT" is dropped and replaced with "VLS". Because not all models and options are available, please use one of the guides below.*

**VLS9101 - ____ (R) - ____ (A) ____ (B) ____ (C) - ____ (D) 1 (E) ____ (F) 0 (G)**

(PT9101)

| (R) | (A) | (B) | (C) | (D) | (E) | (F) |
|---|---|---|---|---|---|---|
| 0075 | 1 | 1 | 1 | 1 | | 1 |
| 0100 | 2 | 2 | 2 | 2 | | 2 |
| 0150 | 3 | 3 | 3 | 3 | | 3 |
| 0200 | 4 | 4 | 4 | 4 | | 4 |
| 0250 | | | | 5 | | 5 |
| 0300 | | | | 6 | | 6 |
| 0350 | | | | | | 7 |
| 0400 | | | | | | |
| 0450 | | | | | | |
| 0500 | | | | | | |
| 0550 | | | | | | |

**VLS9420 - ____ (R) - ____ (A) ____ (B) ____ (C) - 1 (D) ____ (E) ____ (F) 0 (G)**

(PT9420)

| (R) | (A) | (B) | (C) | (E) | (F) |
|---|---|---|---|---|---|
| 0075 | 1 | 1 | 1 | 1 | 1 |
| 0100 | 2 | 2 | 2 | 2 | 2 |
| 0150 | 3 | 3 | 3 | 3 | 3 |
| 0200 | 4 | 4 | 4 | 4 | 4 |
| 0250 | | | | 5 | 5 |
| 0300 | | | | 6 | 6 |
| 0350 | | | | | 7 |
| 0400 | | | | | |
| 0450 | | | | | |
| 0500 | | | | | |
| 0550 | | | | | |

**VLS9150 - ____ (R) - ____ (A) ____ (B) ____ (C) - ____ (D) ____ (E) ____ (F) 0 (G)**

(PT9150)

| | (R) | (A) | (B) | (C) | (D) | (E) | (F) |
|---|---|---|---|---|---|---|---|
| english | 0075 to 0550 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 4 | 4 | 4 | 4 | 4 | 4 |
| metric | 02500 to 13750 | | | | | | |

**VLS9510 - ____ (R) - ____ (A) ____ (B) ____ (C) - 1 (D) ____ (E) ____ (F) 0 (G)**

(PT9510)

| (R) | (A) | (B) | (C) | (E) | (F) |
|---|---|---|---|---|---|
| 0075 | 1 | 1 | 1 | 1 | 1 |
| 0100 | 2 | 2 | 2 | 2 | 2 |
| 0150 | 3 | 3 | 3 | 3 | 3 |
| 0200 | 4 | 4 | 4 | 4 | 4 |
| 0250 | | | | 5 | 5 |
| 0300 | | | | 6 | 6 |
| 0350 | | | | 7 | 7 |
| 0400 | | | | 8 | |
| 0450 | | | | | |
| 0500 | | | | | |
| 0550 | | | | | |

= available options. Refer to appropriate PT9000 datasheet for complete information and specifications.

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celesco

Ordering Guide, PT9600 & PT9600 Extended Range:

**VLS9600-** ____ (R) - __ (A) __ (B) __ (C) - ____ (D)
(PT9600)

| (R) | (A) | (B) | (C) | (D) |
|---|---|---|---|---|
| 0075 | 1 | 1 | 1 | F01 |
| 0100 | 2 | 2 | 2 | F02 |
| 0150 | 3 | 3 | 3 | S01 |
| 0200 | 4 | 4 | 4 | S02 |
| 0250 | | | | S04 |
| 0300 | | | | |
| 0350 | | | | |
| 0400 | | | | |
| 0450 | | | | |
| 0500 | | | | |
| 0550 | | | | |

**VLS9600-** ____ (R) - __ (A) __ (B) __ (C) - ____ (D)
(PT9600 Ext)

| (R) | (A) | (B) | (C) | (D) |
|---|---|---|---|---|
| 0600 | 1 | 1 | 1 | F01 |
| 0800 | 3 | 2 | 2 | F02 |
| 1000 | | | 3 | S01 |
| 1200 | | | 4 | S02 |
| 1500 | | | | S04 |
| 1700 | | | | |

Ordering Guide, PT9000 Extended Range Models:

**VLS9101 -** ____ (R) - __ (A) __ (B) __ (C) - __ (D) **1** (E) __ (F) **0** (G)
(PT9101 Ext)

| (R) | (A) | (B) | (C) | (D) | (E) | (F) |
|---|---|---|---|---|---|---|
| 0600 | 1 | 1 | 1 | 1 | | 1 |
| 0800 | 3 | 2 | 2 | 2 | | 2 |
| 1000 | | | 3 | 3 | | 3 |
| 1200 | | | 4 | 4 | | 4 |
| 1500 | | | | 5 | | 5 |
| 1700 | | | | 6 | | 6 |
| | | | | | | 7 |

**VLS9420-** ____ (R) - __ (A) __ (B) __ (C) - **1** (D) __ (E) __ (F) **0** (G)
(PT9420 Ext)

| (R) | (A) | (B) | (C) | (E) | (F) |
|---|---|---|---|---|---|
| 0600 | 1 | 1 | 1 | 1 | 1 |
| 0800 | 3 | 2 | 2 | 2 | 2 |
| 1000 | | | 3 | 3 | 3 |
| 1200 | | | 4 | 4 | 4 |
| 1500 | | | | 5 | 5 |
| 1700 | | | | 6 | 6 |
| | | | | | 7 |

**VLS9150 -** ____ (R) - __ (A) __ (B) __ (C) - __ (D) __ (E) __ (F) **0** (G)
(PT9150 Ext)

| | (R) | (A) | (B) | (C) | (D) | (E) | (F) |
|---|---|---|---|---|---|---|---|
| *english* | 0600 to 1700 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 3 | 2 | 2 | 2 | 2 | 2 |
| | | | | 3 | 3 | 3 | 3 |
| | | | | 4 | 4 | 4 | 4 |
| *metric* | 15000 to 40000 | | | | | | |

**VLS9510 -** ____ (R) - __ (A) __ (B) __ (C) - **1** (D) __ (E) __ (F) **0** (G)
(PT9510 Ext)

| (R) | (A) | (B) | (C) | (E) | (F) |
|---|---|---|---|---|---|
| 0600 | 1 | 1 | 1 | 1 | 1 |
| 0800 | 3 | 2 | 2 | 2 | 2 |
| 1000 | | | 3 | 3 | 3 |
| 1200 | | | 4 | 4 | 4 |
| 1500 | | | | 5 | 5 |
| 1700 | | | | 6 | 6 |
| | | | | 7 | 7 |
| | | | | 8 | |

= available options. Refer to appropriate Extended Range PT9000 datasheet for complete information and specifications.

version: **4.0** last updated: **January 11, 2016**