WedgeLink Standard Use "Find Numeric Value" feature

WedgeLink Software



Measurement Collection Specialists Connect Any Gage into Any Software

Overview

Situation

- Gage device outputs more than just the value
 - 02A+003.5795{CR}
- You need the "value only" with two decimals
 - Example: 3.58{CR}

Solution

 Use the WedgeLink "DATA PARSING" feature to create this solution



Open WedgeLink

- Select correct COM port
 - Select Setup, Serial Port A
 - Choose from displayed list
- Activate program, click on:
 - "Send to app via keybrd"
 - "Serial Port A"
- Both LEDs will change from red to green

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Port A			Status:
			Send to app via keybrd
Parse A			 Serial port A (COM14)
Port B			Port A paused
Parse B			Serial port B (COM2)
Use seelise	tion with current input		Port B paused
V/D Ame USP annucz		tocus	
K/B App Use applica	auton with current input	focus	
K/B App Use applica		rocus	
File		Undefined	Port A Cmds @ None
K/B App Use applica	Undefined	Undefined	 Port A Cmds @ None Port B Cmds @ None
K/B App Use applica File Undefined		Undefined	 Port A Cmds @ None Port B Cmds @ None Packet A complete

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Parsing Menu

- Click on Setup, Parsing
- Parsing tabs used:
 - Math 1
 - Suffix 1
 - Test

apel	Parse	Delay	Packet	Position	Match	Mask '1'	Remove '1'	Replace '1'	Math '1'	Prefix !	I' Suffoc	1' Test		
Parsi	ng funct ct the pa	ions: arsing gr	oups that	you want t	o enable	for setup	and editing.	You must hav	e at least	1 parsin	9	Active pa	rsing function h string	15:
Use To d	the sele	ctions or pecific pr	the Matci arsing fund	h tab to sp ctions, unc	ecify whi heck the	et parsing function in	groups will be the list of Ac	e used with th tive parsing fi	e data pao unctions.	ckets.		Parsi Parsi Char Strin Math	ng mask acter remova g replacemen functions	ul nt
												V Data	prefix suffix	
Parsi	ng group	p names:										V Data	prefix suffix	
Parsi	ng group Group	p names:		Group 2		Gr	oup 3	Gro	sup 4		Grou	Data	prefix suffix	
Parsi	ng group Group 1	p names:	Gro	Group 2 up 2		Group :	oup 3	Group 4	xup 4		Grou Group 5	V Data V Data	prefix suffix	
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Math tab

- Select the "Math 1" tab
- Click the "Find numeric value" box to activate
- Enter a value in the "Decimal places" box
 - Default is 6 decimal places

abel	Parse	Delay	Packet	Position	Match	Mask '1'	Remo	ve '1' I	Replace	* Math '	1' P	fix '1'	Suffix	1 T	est		
Math Sele the o	function of the m order th	ath funct at they w	tions to be ill be prov	used with ressed. Re	the valu fer to th	ie obtainei e help for	d from ti a compl	he input lete des	t packet. cription o	The selec f the math	tions a funct	long th ons.	e left e	dge ol	f the di	alog ar	a listed i
V F	ind num	eric valu	e: 💿	Find first (I	nust con	tain a dec	imal poir	nt)	() Fin	d in positi	ons	1		to	12		
-	If no val	ue found	: 0	Send nothi	ng to tar	get(s)			() Se	nd to targ	et(s)	No	alue				
	4inimum	acceptal	ble value					If low, send to target(s)					value				
	faximun	n accepta	ble value					I high, send to target(s)					value				
	Convert t	to absolut	te value														
111 e	quation	: y = a +	bx + cx ²	а	-				b =] •	= [
Deci	mai plac	xes 🛛	6 ((to 20)													
Curre	ent parsi	ng group															
	Group 1		ିକ	oup 2		() Group	3		() Grou	p 4		Gr	oup 5			G	ear All



Suffix tab

- Select the "Suffix 1" tab
- Scroll down in the "Char ASCII" box on the right to find the "CR 13" row
- Select and drag the "CR 13" into the empty box at the bottom of the page





Test tab

- Select the "Test" tab
- Click on "Serial Port" (LED changes to green)
- Click in the "Input Data" box and send a gage reading
 - Original data packet appears

Label Par	se Delay	Packet	Position	Match	Mask '1'	Remove *	Replace	11 Math '11	Prefix '1' Suff	foc': Test			
Serial po	t send comn	nand:							Send	Status:	RTS (0)TR (0	utput H utput H	4/S) 4/S)
Input dat	h:									 Series 	al port	(COM	14)
02A+0	003.5795	{CR}								O Po	tΑ	() Po	rt B
									Class	1	Setu	p	
									Clear	Charact	er set:		
									Parse	Char	ASCII	Hex	_
Parsing r	esults:									SOH STX ETX EOT ENQ ACX BEL BkSp Tab	1 2 3 4 5 6 7 8 9	0123456789	• 10



Test Parsing

- Click on the "Parse" button at the bottom right corner of the Input Data box
- The parsed data will display in the "Parsing Results" box
- Click "OK" button if data is parsed correctly

Label	Parse	Delay	Packet	Position	Match	Mask '1'	Remove 1	Replace '	I' Math '1'	Prefix '1'	Suffic '1'	Test			
Seria	l port se	nd comn	nand:							Send		Status:	RTS (0 DTR (0	utput H utput H	1/S) 1/S)
Inout	data:											O Ser	ial port	(COM	14)
02	A+003	. 5795	{CR}							Clear		Po	rt A Setu	() Por	t B
										-	5	Charact	ter set:		
100										Earse		Char	ASCII	Hex	
Parsi 3.	ng result 58 (CR	s: }										SOH STX ETX EOT ENQ ACK BEL BkSp Tab	123456789	123456789	(11)



Send Data

- Return to WedgeLink home screen, open Excel, and send a gage reading
- WedgeLink:
 - Port A = incoming data
 - Parse A = outgoing data
- Excel:
 - Data appears in selected cell
 - Cursor moves down one row

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🧬 WedgeLink Standard Evaluation -

File Setup Targets Test Collect

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3.58{CR}

В

Port A

Parse A

3.58

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Save Setup

- Save your WedgeLink setup once data is transferring correctly
- In WedgeLink, select "File, Save As", enter a file name and press "Save"
- Create a WedgeLink desktop shortcut for easy access





Support

 Contact MicroRidge for additional support on using the "Find Numeric value" feature

Contact Information

- Hours: 8:00a 4:30p Pacific time
- Tech Support: 541-593-3500 or support@microridge.com
- Sales Support: 541-593-3500 or <u>sales@microridge.com</u>

