

General Purpose (Wired) Long Focus Videoscope Combo

P/N: VS70-1

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The General Purpose Long Focus Combo kit includes the VS70 base kit and a 8 mm long focus camera on a 1 m semi-rigid cable. This kit enables users to perform basic inspections and add options as needs grow.

SAP description	General Purpose Long Focus Combo
Kit contents	VS70 + VSC8.01R
VS70 main unit general data	
LCD screen	145 mm (5.7"), 135 mm (5.3") viewable
Active matrix	Active matrix, 640 × 480 pixels
Memory type	SD card 4 GB included (32 GB maximum)
Compression format	MPEG4
Still-image format	JPEG (640 × 480 pixels)
Video recording format	AVI (640 × 480 pixels)
Video output format	NTSC and PAL, frame rate 30 fps
Multi-language menu	Yes
Receiver frequency	2.4 GHz
Receiver sensitivity	-87 dBm (SNR = 42 dB, F _{mod} = 15)
Data/video	Mini USB 1.1 and AV out
Audio	Earphone plug, 3.5 mm, 4 rings
Speaker	15 mm, 32 Ω , 20 Hz to 20 kHz
Microphone	Boom microphone 6 mm \times 5 mm (0.24" \times 0.2"), total length 10 cm (3.9"), wire length 1.2 m (3.9')
Tripod mount	On rear, accepts standard tripod screw
Certifications	FCC, CE
Warranty	2 years, see website for details
VS70 main unit power system	
Battery	3.7 V rechargeable lithium polymer
Battery life	6–8 hours
Power adapter	100-240 V input/5 V DC output
Battery status indication	Progressive with auto power off (APO)
VS70 main unit environmental data	
IP rating	67
Drop test	2 m
Operating temperature	-10 to 60°C (14 to 140°F)

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General Purpose (Wired) Long Focus Videoscope Combo

P/N: VS70-1© 2014, FLIR Systems, Inc. #VS70-1; r. -/13551;

Operating humidity 80% maximum Storage temperature -40 to 80°C (-40 to 176°F) VS70 main unit physical data		<u></u>
VS70 main unit physical data Product weight 1.57 kg (3.46 lb.), including batteries Product dimensions 241 mm × 178 mm × 70 mm (9.5" × 7" × 2.75") Material PC-ABS, rubber hand grip, nylon strap Gray, black Camera VS280-1R (8 mm camera with 1 m SR probe—VGA Via LF) Diameter 8 mm Resolution VGA (640 × 480 pixels) Probe length 1 m Frocal length 65 mm to infinity Field of view 56° Integrated handset N/A Wireless capabilities N/A Wireless capabilities N/A Compatible write lash and set VST Compatible wirelash and set VST Diameter Brightness control Lamp type LED Operating temperature Packaging type Brown shipping box over hard case Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: notarger, headset, neck strap, cleaning kit, VS-HC (VSTO hard case with camera storage), and user manual (printed English and translated on CD) Packaging dimensions (H × W × L) S5 cm × 46.5 cm × 22 cm Carton dimensions (H × W × L) S5 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 Tariff code 9013809000 Technical support Website http://support.flir.com	Operating humidity	80% maximum
Product weight 1.57 kg (3.46 lb.), including batteries Product dimensions 241 mm × 178 mm × 70 mm (9.5" × 7" × 2.75") Material PC-ABS, rubber hand grip, nylon strap Colour Gray, black Camera VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF) mm Diameter 8 mm Resolution VGA (840 × 480 pixels) Probe length 1 m Focal length 65 mm to infinity Field of view 56" Integrated handset N/A Wireless capabilities N/A Compatible wireless handset VST Compatible wireless handset VST Compatible detachable cameras N/A Warranty 2 years Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature −10 to 50°C (14 to 122°F) Shipping information To the specifies mirror, anti-snag tip, magnet, patch cable, 4 GB D card, USB video out cables, power adapters, vehicle charger, headset, neck stap, cleaning kit, VS=HC (VS70 hard case with camera st	Storage temperature	-40 to 80°C (-40 to 176°F)
Product dimensions	VS70 main unit physical data	
Material PC-ABS, rubber hand grip, nylon strap Colour Gray, black Camera VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF) B mm Diameter 8 mm Resolution VGA (640 × 480 pixels) Probe length 1 m Focal length 65 mm to infinity Field of view 56° Integrated handset N/A Wireless capabilities N/A Compatible wireless handset VSTO Compatible wireless handset VST Compatible detachable cameras N/A Warranty 2 years Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information Packaging type Brown shipping box over hard case Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), path cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headser, neck strap, cleaning kit, VSA-6V-C (VS70 hard case with cam	Product weight	1.57 kg (3.46 lb.), including batteries
Colour Gray, black Camera VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF) Diameter 8 mm Resolution VGA (640 × 480 pixels) Probe length 1 m Focal length 65 mm to infinity Field of view 56° Integrated handset N/A Wireless capabilities N/A Compatible main unit VS70 Compatible wireless handset VST Silpaing sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping Information Packaging type Brown shipping box over hard case VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snat giv, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, wehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H x W x L) 53 cm x 43.5 cm x 22 cm Carton weight 16 kg Carton dimensions (H x W x L) 55 cm x 46.5 cm x 46 cm Carton quantity 2 EAN-13 732558007402 POC-12 793950400715 Country of origin TW Tariff code 9013809000	Product dimensions	241 mm × 178 mm × 70 mm (9.5" ×7" × 2.75")
Camera VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF) 8 mm Diameter 8 mm Resolution VGA (640 × 480 pixels) Probe length 1 m Focal length 65 mm to infinity Field of view 56° Integrated handset N/A Wireless capabilities N/A Compatible main unit VS70 Compatible wireless handset VST Compatible detachable cameras N/A Warranty 2 years Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories mirror, anti-nagi tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight	Material	PC-ABS, rubber hand grip, nylon strap
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Probe length Focal	Diameter	8 mm
Focal length 65 mm to infinity Field of view 56° Integrated handset N/A Wireless capabilities N/A Compatible main unit VSTO Compatible wireless handset VST Compatible detachable cameras N/A Warranty 2 years Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information Brown shipping box over hard case Packaging type Brown shipping box over hard case Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGSA via LF), VSA-8 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video magnet, patch cable, 4	Resolution	VGA (640 × 480 pixels)
Field of view 56° Integrated handset N/A Wireless capabilities N/A Compatible main unit VSTO Compatible wireless handset VST Compatible detachable cameras N/A Warranty 2 years Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information Brown shipping box over hard case Packaging type Brown shipping box over hard case Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera acrossries: miror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video ucables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton quantity 2 EAN-13 7332558007402 UPC-12 793950	Probe length	1 m
Integrated handset	Focal length	65 mm to infinity
Wireless capabilities N/A Compatible main unit V\$70 Compatible wireless handset V\$T Compatible detachable cameras N/A Warranty 2 years Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information Brown shipping box over hard case Packaging type Brown shipping box over hard case VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, arti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H x W x L) 53 cm x 43.5 cm x 22 cm Carton weight 16 kg Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support Website<	Field of view	56°
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Compatible wireless handset Compatible detachable cameras N/A Warranty 2 years Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information Packaging type Brown shipping box over hard case Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support Website	Wireless capabilities	N/A
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Warranty Imaging sensor CMOS Video format NTSC Brightness control Lamp type LED Operating temperature Packaging type Packaging contents Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera atorage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support	Compatible wireless handset	VST
Imaging sensor CMOS Video format NTSC Brightness control Manual with variable options Lamp type LED Operating temperature −10 to 50°C (14 to 122°F) Shipping information Packaging type Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Compatible detachable cameras	N/A
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Brightness control Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information Packaging type Brown shipping box over hard case Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Imaging sensor	CMOS
Lamp type LED Operating temperature -10 to 50°C (14 to 122°F) Shipping information Packaging type Brown shipping box over hard case VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm 2 arton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support Website	Video format	NTSC
Operating temperature Shipping information Packaging type Brown shipping box over hard case V\$70 main unit, V\$C80-1R (8 mm camera with 1 m \$R probe—V\$GA via LF), V\$A-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, U\$SB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, V\$-HC (V\$70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support Website	Brightness control	Manual with variable options
Shipping information Packaging type Brown shipping box over hard case Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Lamp type	LED
Packaging type Packaging contents VS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support Website	Operating temperature	-10 to 50°C (14 to 122°F)
Packaging contents WS70 main unit, VSC80-1R (8 mm camera with 1 m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual (printed English and translated on CD) Packaging weight 7.5 kg Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support Website	Shipping information	
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Packaging dimensions (H × W × L) 53 cm × 43.5 cm × 22 cm Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Packaging contents	m SR probe—VGA via LF), VSA-80 (8 mm camera accessories: mirror, anti-snag tip, magnet), patch cable, 4 GB SD card, USB/video out cables, power adapters, vehicle charger, headset, neck strap, cleaning kit, VS-HC (VS70 hard case with camera storage), and user manual
Carton weight 16 kg Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Packaging weight	7.5 kg
Carton dimensions (H × W × L) 55 cm × 46.5 cm × 46 cm Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Packaging dimensions (H × W × L)	53 cm × 43.5 cm × 22 cm
Carton quantity 2 EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Carton weight	16 kg
EAN-13 7332558007402 UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support Website http://support.flir.com	Carton dimensions (H × W × L)	55 cm × 46.5 cm × 46 cm
UPC-12 793950400715 Country of origin TW Tariff code 9013809000 Technical support http://support.flir.com	Carton quantity	2
Country of origin TW Tariff code 9013809000 Technical support Website http://support.flir.com	EAN-13	7332558007402
Tariff code 9013809000 Technical support Website http://support.flir.com	UPC-12	793950400715
Technical support Website http://support.flir.com	Country of origin	TW
Website http://support.flir.com	Tariff code	9013809000
	Technical support	
E-mail T&Msupport@flir.com	Website	http://support.flir.com
	E-mail	T&Msupport@flir.com

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General Purpose (Wired) Long Focus Videoscope Combo

P/N: VS70-1© 2014, FLIR Systems, Inc. #VS70-1; r. -/13551;

Phone	055 400 2662
	855-499-3662
Manual languages (on CD and web)	repair@flir.com Czech, Danish, German, Greece, English (US), Spanish (Spain), Finnish, French (France), Hungarian, Italian, Japanese, Korean, Bokmal Norwegian (Norway), Dutch Flemish (Netherlands), Polish, Portuguese (Portugal), Russian, Swedish, Chinese, Chinese (Taiwan)
Suggested cameras and accessories	
VST	Wireless handset
VS-2PC	2 m patch cable
VSA2-1-W	Wireless two-way 6 mm articulated camera with 1 m probe
VSC65-17S	17" stainless steel rigid probe
Compatible cameras full list	
VSA2-2M-W	Wireless two-way 6 mm articulated camera with 2 m probe via SF
VSA2-2-W	Wireless two-way 6 mm articulated camera with 2 m probe
VSA2-1M-W	Wireless two-way 6 mm articulated camera with 1 m probe via SF
VSA2-2	Two-way 6 mm articulated camera with 2 m probe
VSA2-2M	Two-way 6 mm articulated camera with 2 m probe via SF
VSA2-1	Two-way 6 mm articulated camera with 1 m probe
VSA2-1M	Two-way 6 mm articulated camera with 1 m probe via SF
VSC2-58-1FM	Two-channel camera with 5.8 mm diameter 1 m probe
VSC58-30M	5.8 mm camera with 30 m FG probe—QVGA via SF
VSC58-20M	5.8 mm camera with 20 m FG probe—QVGA via SF
VSS-30	30 m plumbing spool
VSS-20	20 m plumbing spool
VSC28	28 mm camera head for spool
VSC25	25 mm camera head for spool
VS-BR25	Centering brush for VS70 camera probes
VS-BR28	Centering brush for VS70 camera probes
VS-RB	Replacement centering brush
VSC65-12S	12" stainless steel rigid probe
VSC41-2RM	4.1 mm camera with 2 m SR probe—QVGA via SF
VSC39-1FM	3.9 mm camera with 1 m flex probe—QVGA via SF
VSC58-2R	5.8 mm camera with 2 m SR probe—VGA via LF
VSC58-2RM	5.8 mm camera with 2 m SR probe—VGA via SF
VSC58-1R	5.8 mm camera with 1 m SR probe—VGA via LF
VSC58-1RM	5.8 mm camera with 1 m SR probe—VGA via SF

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General Purpose (Wired) Long Focus Videoscope Combo

P/N: VS70-1© 2014, FLIR Systems, Inc. #VS70-1; r. -/13551;

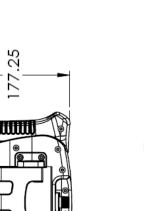
VSC80-2R	8 mm camera with 2 m SR probe—VGA via LF
VSC80-1R	8 mm camera with 1 m SR probe—VGA via LF

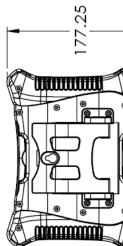
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Modified Date	Modified By
Monday, April 21, 2014	T&M Engine
Description	
FLIR VS70. Units in mm	s in mm



