



## Model DS-R Electronic Cylinder Scales



### Description

The new Matheson Tri-Gas cylinder scales are state of the art platforms and controllers that offer many standard and optional features. Standard features include:

- Stainless steel load cells (strain gauges) for long life and stability
- Solid state output relays, rated at 10 A, up to 240 VAC
- Graphics Display – 1" high digits
- Menu driven and fully programmable
- 4-20 mA output
- High accuracy
- 8' connecting cable

### Platform Specifications:

Material: 9-1/4" and 14" – stainless steel;  
 20" x 27" - aluminum  
 Transducer Type: Stainless steel load cell  
 Total Capacity: Per model numbers  
 Tare: Ability to tare up to full capacity  
 Output Signal: 4-20 mA  
 Accuracy: +/- 0.1% full scale  
 Temperature Range: 14° F to 104° F (-10° C to 40° C)  
 Cable: 8' cable with connector for controller

### Control Display:

Voltage Requirements: 100-240 VAC, 50-60 Hz, 0.6 W  
 Power: Supplied with wall transformer and cable  
 Display: Graphics, 1" high digits  
 Optical Relay: Rated to 10 A, up to 240 VAC  
 Mounting: Includes adjustable wall / bench type mounting bracket

### Options – Consult Factory:

- Computer Interface – USB, RS232, Ethernet
- Data Logging
- Battery Backup (inside controller unit)
- Intrinsically safe

### Ordering Information

Model No.	Description
DS-R-60-925	Cylinder Scale, 60 lb., 9-1/4" x 9-1/4" x 1-3/8"H, 4-20 mA out, SS relay
DS-R-300-925	Cylinder Scale, 300 lb., 9-1/4" x 9-1/4" x 1-3/8"H, 4-20 mA out, SS relay
DS-R-300-14	Cylinder Scale, 300 lb., 14" x 14" x 1-3/8"H, 4-20 mA out, SS relay
DS-R-500-2027	Cylinder Scale, 500 lb., 20" x 27" x 1-7/8"H, 4-20 mA out, SS relay
DS-R-1K-2027	Cylinder Scale, 1000 lb., 20" x 27" x 1-7/8"H, 4-20 mA out, SS relay

### Optional Ramps

Model No.	Description
RMP-9	9-1/4" wide x 1-3/8" high
RMP-14	14" wide x 1-3/8" high
RMP-2027	20" wide x 1-7/8" high



Large Platform for Model Number DS-R-500-2027 and DS-R-1K-2027